

## LOCAL COMPANY WITH GLOBAL NETWORK.

With our distribution network over the world, TWC aims to provide innovative solutions to all your speciality rubber chemical needs.



It is not the **strongest**  
or the **most intelligent** who will survive,  
but those who can best manage **change**.

Your **long-term strategic partner**



**TECHNO WAXCHEM PVT. LTD.**  
3C, Hitech Chambers,  
84/1B, Topsia Road (S),  
Kolkata 700 046, West Bengal, India  
Tel: 91 33 2285 1278/1279, 4004 8093 /  
8094 | Fax: 91 33 2285 1280  
Mail: info@twc.in

**RAJSHA CHEMICALS PVT. LTD.**  
Block No. 637, Lamdapura Road,  
At: Manjusr, PO: Lamdapura,  
Ta: Savli, Dist. Vadodara 391775  
Gujarat, India  
Tel: +91 96620 49271  
Mail: info@twc.in



## HIGH PERFORMANCE SPECIALITY RUBBER CHEMICAL

FOR YOUR **FUNCTIONAL & PROCESSING** REQUIREMENT



[www.twc.in](http://www.twc.in)



## INTRODUCTION

**TWC GROUP**, a chemical major headquartered in Kolkata, India provides solutions in areas of Rubber Processing, Rubber to Reinforcement bonding, Rubber functionalization and Ozone Resistance.

A technology leader in speciality chemicals in the Indian sub-continent, our products are used in companies across the globe. In over 35 countries around the world, companies make use of our business-to-business solutions for eco-friendly and cost efficient operation.

### Our Current Plethora of offering is

- Dry Bonding System - Adhesion Promoter
- Resorcinol Dispersions
- Resorcinol Resins
- Resorcinol Dipping Resins
- HMT Dispersions
- HMMM Resin & Dispersions
- Super Tackifier Resin
- Tackifier Resin
- Ozone Resistance Waxes
- Homogenising Agents
- Reinforcing Phenolic Resins
- Cut & Chipping Resistance Resin
- Rubber Additives
- Activators, Zinc-based
- Dispersants for Silica, Zinc-based
- Dispersants for Silica, non Zinc-based

## OPERATIONAL FACILITIES

TWC GROUP manages 4 state-of-the-art manufacturing facilities, namely;

- **Techno Waxchem Pvt Ltd, Unit 1 & Unit 2 in Kolkata, East of India**
- **Rajsha Chemicals Pvt Ltd, Unit 1 & Unit 2 in Vadodara, West of India**

Managing 32,000 TPA of production capacity.

**TECHNO WAXCHEM** **RAJSHA CHEMICALS**

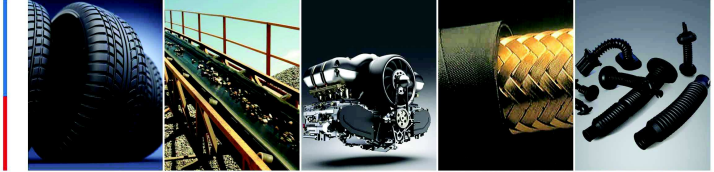
## CERTIFICATIONS

We at TWC constantly work towards delivering performance with perfection and we are proud that our efforts are recognized:

- Accredited with ISO 9001:2015 & ISO 14001:2015 certifications
- REACH compliant products
- Compliant with Country Inventory List of various countries



## INDUSTRY



DRY BONDING SYSTEM - ADHESION PROMOTER

RESORCINOL DISPERSIONS

Product	Appearance	Composition	Specific Gravity @ 25 °C	Active Content (%)	Ash Content (%)	Moisture Content (%)
TECHNIC® RS811	White to Red Brown Powder	Resorcinol and Precipitate Silica Blend	1.56	50 ± 2	46 ± 2	3.50 max
TECHNIC® RL	Orange to Red Brown Liquid	Resorcinol and HMMM	1.20	91 ± 2	NIL	3 max
TECHNIC® RDL	White to Brown Powder	Resorcinol, HMMM & Silica Blend	1.50	66 ± 2	30 ± 3	3 max

Product	Appearance	Composition	Specific Gravity @ 25 °C	Active Content (%)	Softening Point (°C)	Moisture Content (%)
RUBBOND RSA	Off White Gray to Red Brown Flakes	Resorcinol and Stearic Acid Melt	1.10 - 1.30	67 ± 2 *	100 - 110	0.30 max

Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
12 months	15 kgs	4 - 5 phr	Resorcinol dispersed on carriers is designed to give easier mixing in rubber compounds.
6 months	25 kgs	3 - 4 phr	Single Component Bonding System with both Resorcinol & Methylene Donor present. Ideal for Hose Application.
12 months	25 kgs	3 - 4 phr	Single Component Bonding System with both Resorcinol & Methylene Donor dispersed on Silica.

Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
12 months	25 kgs	4 - 5 phr	* Other variation of 75% & 80% Active content is also available.

RESORCINOL RESINS

Product	Appearance	Composition	Specific Gravity @ 25 °C	Softening Point (°C)	Free Resorcinol (%)	Moisture Content (%)
TECHNIC® B18S	Orange Red to Brown Pastilles	Resorcinol Formaldehyde Resin	1.36	100 - 110	18 max	1 max
TECHNIC® B19S	Orange Red to Brown Pastille	Resorcinol Formaldehyde Resin	1.36	100 - 114	15 max	1 max
TECHNIC® B20S	Dark Red to Brown Pastille	Modified Resorcinol Formaldehyde Resin	1.24	99 - 109	5 max	0.70 max
TECHNIC® B21S	Red to Dark Brown Pastille	Modified Resorcinol Formaldehyde Resin	1.30	100 - 110	8 max	0.70 max
TECHNIC® B22Z	Dark Red to Brown Pastille	Modified Resorcinol Formaldehyde Resin	1.20	100 - 110	0.10 max	0.70 max

Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
2 years	25 kgs	3 - 4 phr	It is a reaction product of Resorcinol with Formaldehyde, reducing the free monomer content. Good for both tyre cord and brass plated tyre cord adhesion to rubber.
2 years	25 kgs	3 - 4 phr	
2 years	25 kgs	3 - 4 phr	Low Free Resorcinol, very low fuming. Very suitable for steel cord adhesion.
2 years	25 kgs	3 - 4 phr	Low Free Resorcinol, very low fuming. Very suitable for steel cord adhesion
2 years	25 kgs	3 - 4 phr	Very Low Free Resorcinol, no fuming at all. Very suitable for steel cord adhesion

HMMM RESIN & DISPERSIONS

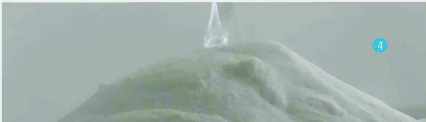
Product	Appearance	Composition	Specific Gravity @ 25 °C	Active Matter (%)	Ash Content (%)	(%) Free Formaldehyde
RUBBOND HM100	Clear Viscous Liquid	Hexa Methoxy Methylol Melamine (HMMM) Resin	1.20	98	NIL	0.10 max
RUBBOND HM72C	Free Flowing Powder	72% HMMM on Calcium Silicate	1.41	72 ± 1	25 ± 4	0.10 max
RUBBOND HM72	Free Flowing Powder	72% HMMM on PPT Silica	1.41	72 ± 1	26 ± 3	0.10 max
RUBBOND HM650	Free Flowing Powder	65% HMMM on PPT Silica & Oil	1.41	65 ± 1	28 ± 2	0.10 max
RUBBOND HM65	Free Flowing Powder	65% HMMM on PPT Silica	1.41	65 ± 1	33 ± 2	0.10 max
RUBBOND HM50	Free Flowing Powder	50% HMMM on PPT Silica	1.41	50 ± 1	45 ± 2	0.10 max

Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
12 months	200 kgs	3 - 4 phr	HMMM Methylene Donor is expected to provide about 5 - 6 formaldehyde group to make cross-linking reactions with Resorcinol bonding system in rubber compounds. HMMM improves processability of uncured rubber compounds. It enhances the physical, mechanical and dynamic properties of cured rubber compounds. It helps in maintain higher levels of adhesion after heat, humidity, steam and salt water ageing of rubber compounds. HMMM does not produces ammonia from the curing reaction and therefore, it is the methylene donor of choice for polyester and brass-coated steel cords reinforced rubber compounds. HMMM is a liquid material, for ease of handling it is dispersed on Silica, for handling ease.
12 months	25 kgs	4 - 5 phr	
12 months	25 kgs	4 - 5 phr	
12 months	25 kgs	4 - 5 phr	
12 months	25 kgs	4 - 5 phr	
12 months	25 kgs	4 - 5 phr	

HMT DISPERSIONS

Product	Appearance	Composition	Specific Gravity @ 25 °C	Active Content (%)	Ash Content (%)	Moisture Content (%)
RUBBOND SCH	Free Flowing White Powder	Hexa Methylene Tetramine on Carrier	1.27	97 min	3 max	0.50 max
RUBBOND OSCH	Free Flowing White Powder	Hexa Methylene Tetramine on Carrier & Oil	1.27	90 min	4 max	0.60 max

Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
12 months	25 kgs	2 - 4 phr	It offers a balanced combination of good adhesion and excellent flex fatigue resistance in conjunction with Resorcinol donow through formation of an in-situ resin during rubber processing. Ideally it is added in the last stage of mixing with Sulphur & Accelerators.
12 months	25 kgs	2 - 4 phr	



SUPER TACKIFIER RESIN

Product	Appearance	Composition	Specific Gravity @ 25 °C	Softening Point (°C)	Ash Content (%)	Moisture Content (%)	Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
TECHNIC® KR140	Yellow to Brown Pastille	p-tert-butylphenol Acetaldehyde Resin	1.00 - 1.06	135 - 150	1 max	0.70 max	2 years	25 kgs	2 - 4 phr	Super Tackifier for initial high tack and longer term tack retention. Very suitable for SBR compounds with higher dosage of Silica
TECHNIC® TR140	Yellow to Brown Pastille	p-tert-butylphenol Formaldehyde Resin	1.00 - 1.06	135 - 145	1 max	0.70 max	2 years	25 kgs	2 - 4 phr	High Performance Tackifier for initial high tack and long term tack retention

TACKIFIER RESIN

Product	Appearance	Composition	Specific Gravity @ 25 °C	Softening Point (°C)	Ash Content (%)	Heat Loss (%)	Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
TECHNIC® TR100	Yellow to Brown Pastille	p-octylphenol Formaldehyde Resin	1.00 - 1.04	95 - 105	1 max	0.50 max	2 years	25 kgs	2 - 10 phr	General purpose Tackifier Resin for all purpose. It gives excellent initial tack. Suitable for all type of rubbers

REINFORCING PHENOLIC RESIN

Product	Appearance	Composition	Specific Gravity @ 25 °C	Softening Point (°C)	Ash Content (%)	Free Phenol (%)	Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
RUBBOND RR90	Pastille	CNSL Modified Phenol Formaldehyde Resin	1.10	80 - 105	0.50 max	2 max	1 year	25 kgs	-	It improves hardness, tear resistance, abrasion resistance, tensile strength, reduce Mooney Viscosity and prolonged scorch time properties in rubber compound. CNSL, Tall Oil & Alkyl-Phenol modification of PF Resin are expected to have better compatibility with rubber compounds so that accelerated filler dispersions with improved processability of rubbers could be achieved. To avoid pre-vulcanisation and also to achieve good scorch properties, these resins are to be added as Methylene Acceptors in the first stage with a Methylene Donors like HMMM or HMT in the final stage along with Sulphur & Accelerators.
RUBBOND RR95	Pastille	Tall Oil Modified Phenol Formaldehyde Resin	1.05	90 - 105	0.50 max	2 max	1 year	25 kgs	-	
RUBBOND RR110	Pastille	Phenol Formaldehyde Resin	1.10	90 - 120	0.50 max	2 max	1 year	25 kgs	-	
RUBBOND RR160	Pastille	Alkyl-Phenol modified Phenol Formaldehyde Resin	1	101 - 113	0.10 max	1 max	1 year	25 kgs	-	

CUT & CHIPPING RESISTANCE

Product	Appearance	Composition	Specific Gravity @ 25 °C	Softening Point (°C)	Ash Content (%)	Iodine Value	Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
TECHNIC® CCR120	Pastilles	Modified DCPD, Rosin Co-Polymer	1.07	120 - 130	0.50 max	115 - 135	2 years	25 kgs	2 - 4 phr	CCR resin provides high tensile, high elongation at break, good dynamic stiffness and elongation tear strength properties, resulting in improvement of cutting, chunking & chipping of tire treads

RESORCINOL DIPPING RESIN

Product	Appearance	Composition	Specific Gravity @ 25 °C	Solids Content (%)	Free Resorcinol (%)	pH	Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
TECHNIC® R75	Orange Red Viscous Liquid	Resorcinol Formaldehyde Resin in Aqueous Solution	1.20	75	14 - 16	0.50 - 1.50	6 months	200 kgs	-	RFL dips prepared from the pre-formed RF Resin solutions showed better adhesion performance in nylon, aramid & polyester tire cords. R0 & R75 can directly be added to the latex without ageing. Due to low viscosity of R50 resin solution, pumping is easy. The final RFL Dips prepared using R50 & R75 have consistent quality for providing better adhesive performance in synthetic tire cords
TECHNIC® R50	Orange Red Liquid	Resorcinol Formaldehyde Resin in Aqueous Solution	1.17	50	9 - 10	1.00 - 2.00	6 months	200 kgs	-	





OZONE PROTECTION WAXES

Product	Appearance	Composition	Specific Gravity @ 25 °C	Congesting Point (°C)	N-Paraffin Content	C Max	Ash Content (%)	Shelf Life	Packaging	Function & Application
RUBWAX 1242	White to Light Yellow Pastilles	Blend of Paraffin Waxes and Microcrystalline Waxes	0.92	70 - 78	65 - 75	24 - 26 31 - 33	0.10	2 Years	25 kgs	Protection against Ozone attack, especially in a very low and very high temperature
RUBWAX 1244	White to Light Yellow Pastilles	Blend of Paraffin Waxes and Microcrystalline Waxes	0.92	64 - 70	75 - 85	31 - 33	0.10	2 Years	25 kgs	Protection against Ozone attack, especially in a temperature range of 10 - 50 °C
RUBWAX 1250	White to Light Yellow Pastilles	Blend of Paraffin Waxes and Microcrystalline Waxes	0.92	64 - 68	60 - 70	30 - 32	0.10	2 Years	25 kgs	Protection against Ozone attack, especially in a temperature range of 10 - 50 °C
RUBWAX 1252	White to Light Yellow Pastilles	Blend of Paraffin Waxes and Microcrystalline Waxes	0.91	60 - 69	60 - 85	30 - 32	0.10	2 Years	25 kgs	Protection against Ozone attack, especially in a temperature range of 10 - 50 °C
RUBWAX 1253	White to Light Yellow Pastilles	Blend of Paraffin Waxes and Microcrystalline Waxes	0.92	64 - 70	72 - 79	24 - 26 31 - 33	0.10	2 Years	25 kgs	Protection against Ozone attack, especially in a very low and very high temperature

HOMOGENISING AGENT

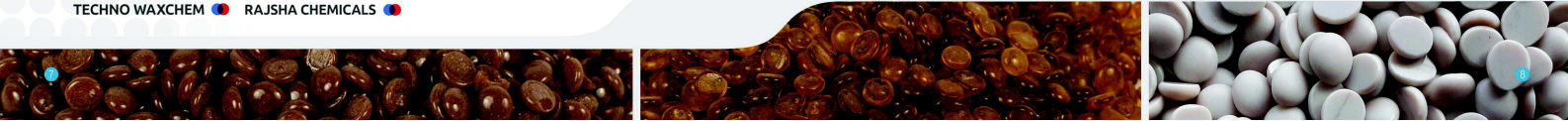
Product	Appearance	Composition	Specific Gravity @ 25 °C	Softening Point (°C)	Ash Content (%)	Shelf Life	Packaging	Recommended Dosage (phr)	Function & Application
RUBBOND 40	Black Pastille	Aromatic Hydrocarbon Resin	1.04	96 - 106	2 max	1 year	25 kgs	2 - 5 phr	It improves mould flow and extrusion properties. Reduces nerve and shrinkages, improves homogeneity of elastomers and fillers. Reduces mixing cycle time, energy consumption and viscosity. Enhances Green Tack

PROCESS ADDITIVES - ACTIVATORS, ZINC BASED

Product	Appearance	Composition	Specific Gravity, g/cm3	Dropping Point, °C	Ash Content (%)	Zinc Content (%)	Shelf Life	Packing	Dosage (phr)	Function & Application
RUBBER AID - ZA73	Grey White - Creamish Pastilles / Flakes	Mixture of Zn soaps of Aliphatic and Aromatic Carboxylic Acids	1.24 ± 0.05	110 ± 7	20 ± 2	17 ± 1	2 years	25 kgs	2 - 5	An effective activator for the sulfur vulcanization of diene rubbers, especially natural rubber and improves rubber compound modulus. An effective physical peptizer for the mastication of NR, also improves processability in mixing, extrusion and molding.
RUBBER AID - ZA74	White - Creamish Pastilles/ Flakes	Mixture of Zn soaps of Aliphatic and Aromatic Carboxylic Acids	1.10 ± 0.02	100 ± 5	16 ± 2	13 ± 1	2 years	25 kgs	2 - 4	An effective physical peptizer for NR compounds. Can offer cure activation for increased reversion stability, processability and compound flow.
RUBBER AID - ZEH	Highly Viscous Yellowish Liquid	Zinc 2-Ethylhexanoate	1.16 ± 0.05	N.A.	27 ± 2	23 ± 1	2 years	200 kgs	1 - 3	It is a rubber soluble zinc soap and could be used as an activator for NR. It offers heat stability (reversion resistance) in NR compounds containing normal levels of sulfur, particularly with thiazole type accelerators.

PROCESS ADDITIVES – DISPERSANTS for SILICA, ZINC BASED

Product	Appearance	Composition	Specific Gravity, g/cm3	Dropping Point, °C	Ash Content (%)	Zinc Content (%)	Shelf Life	Packing	Dosage (phr)	Function & Application
RUBBER AID - PA44	Beige to Creamish Pastilles/ Flakes	Mixture of Zinc and Alkali Soaps	1.10 ± 0.05	100 ± 5	13 ± 1	8.50 ± 0.50	2 years	25 kgs	2 - 3	Excellent flow promoter for rubber compounds with high level of white fillers, namely, silica, chalk, clay, et. It improves dispersion of fillers (especially minerals fillers) and has beneficial influence on batch-to-batch uniformity. Rubber Aid – PA 44 A decreases the tendency of re-agglomeration of silica. It is suitable for better extrusion and also, could be suitable for compression, transfer and injection molding applications. It could be useful as processing aid in the production of radial tires, rubber belts and cables.
RUBBER AID - PA44A	Beige to Creamish Pastilles/ Flakes	Blend of Fatty acid Derivatives (Mainly Zn)	1.07 ± 0.05	95 ± 5	10 ± 1	8.50 ± 0.50	2 years	25 kgs	2 - 3	
RUBBER AID - PA46F	Beige - Light Brown – Off White Pastilles	Blend of Fatty acid Derivatives	1.03 ± 0.05	78 - 92	7.50 ± 1	5 ± 1	2 years	25 kgs	1 - 5	Designed for high performance silica-loaded rubber compounds. Beneficial for use in high performance tires containing NR, BR, SSR, S-SSR rubbers. Improves processing and extrusion of silica loaded rubber compounds and stabilizes viscosities during extended storage conditions.
RUBBER AID - PA49	Beige - Light Brown – Off White Pastilles	Blend of Fatty acid Derivatives	1.07 ± 0.05	112.50 ± 7.50	10 ± 5	8.50 ± 1	2 years	25 kgs	1 - 5	Expected to reduce viscosity and improve extrusion rate in silica filled rubber compounds. Improves downstream processing while enhancing the physical properties in silica based natural and synthetic rubber compounds. Can be used with silane coupling agents and expected to exhibit synergistic effect and improves the compound properties. Could be useful in injection and transfer molding, and also for continuous vulcanization due to its ability to stabilize vulcanization at high temperatures.
RUBBER AID - PA50	Beige to Brown Pastilles / Flakes	Zn Soaps of Un-Sat. Fatty Acids	1.10 ± 0.05	103 ± 6	14.50 max	14.50	2 years	25 kgs	3 - 5	



PROCESS ADDITIVES – DISPERSANTS for SILICA, ZINC BASED

Product	Appearance	Composition	Specific Gravity, g/cm3	Dropping Point, °C	Ash Content (%)	Zinc Content (%)
<b>RUBBER AID - PA50P</b>	Beige to Brown Pastilles / Flakes	Zinc Soaps of Mixed Fatty Acid	1.05 ± 0.05	100 ± 5	13 ± 1	10.50 ± 0.50
<b>RUBBER AID - PA50T</b>	Beige to Brown Pastilles / Flakes	Zinc Soap of Mixed Fatty Acids with Lubricants	1.00 ± 0.05	97 ± 5	10.20 ± 1	8.50 ± 0.50
<b>RUBBER AID - PA60</b>	Beige Pastilles / Flakes	Mixture of Zinc Soaps of Higher Molecular Weight Fatty Acids	1.15 ± 0.05	90 ± 6	20 ± 2	8.50 ± 0.50
<b>RUBBER AID - PA60T</b>	Beige to Off White Pastilles / Flakes	Mixture of Zinc Soaps of High-Molecular Fatty Acids	1.05 ± 0.05	75 - 95	12 – 14	10.50 ± 1.00
<b>RUBBER AID - PA70</b>	Beige - Light Brown Pastilles	Blend of Zinc Soaps of Unsaturated Fatty Acids and Esters	1.10 ± 0.05	95 - 110	15.50 – 17.50	8.50 ± 0.50
<b>RUBBER AID - PA70T</b>	Beige to Brown Pastilles / Flakes	Blends of FA Soaps mainly Aliphatic in Nature	1.10 ± 0.05	100 ± 5	15 - 17	13 ± 1

Shelf Life	Packing	Dosage (phr)	Function & Application
2 years	25 kgs	1 - 5	It is rubber stable and does not bloom from the vulcanizates due to wide solubility range. Helps in the mastication, mixing and proper dispersion of fillers in NR mixed with PBR, SBR and NBR rubbers and rubber compounds.
2 years	25 kgs	2 - 5	Could act as lubricant and can exhibit reducing effect on viscosity, facilitate mixing and processing of various rubbers. Saves energy by cooler mixing process and lower viscosities.
2 years	25 kgs	1 - 5	The double bonds present in it could stabilize free radical formation, which in turn could improve reversion resistance and tear strength of rubber compounds. Can be used to lower power consumption during mixing cycle, dumping temp, Mooney viscosity and improve filler dispersions.
2 years	25 kgs	1 - 3	Shortens the mixing time and improves the flow characteristics of the uncured compound. Improves mixing and thus enhances the incorporation of compound ingredients, and also improves flow and reduces heat build-up during extrusion process.
2 years	25 kgs	3 - 5	Fast incorporation and improves dispersion of the silica without sacrifice in wet skid resistance could be achieved. Could facilitate flow property compared with common zinc soaps as well as increased energy savings in the mixing step.
2 years	25 kgs	2 - 4	Developed specifically for use in compounds containing high loadings of fillers, particularly with high surface area silicas. Reduces compound viscosity and enhances flow property during extrusion, which could lead to improved processability. Expected to reduce the degree of filler-to-filler re-agglomeration, known as storage hardening, in silica containing rubber compounds.

PROCESS ADDITIVES – DISPERSANTS for SILICA, ZINC FREE

Product	Appearance	Composition	Specific Gravity, g/cm3	Dropping Point, °C	Ash Content (%)	
<b>RUBBER AID - ZF254/254M</b>	Beige / Yellowish / Creamish Pastilles	Blend of Substituted Fatty Acid Amides	1.01 ± 0.05	70 - 90	< 0.01	
<b>RUBBER AID - ZF212</b>	Lt. Tan / Off White / Pastilles	Blend of Fatty Acid Derivatives in an Inert Carrier	1.10 ± 0.05	60 ± 5	20 ± 2	
<b>RUBBER AID - ZF16</b>	Beige to Brown Pastilles / Flakes	Mixture of Fatty Acid Soaps, predominantly Calcium	1.00 ± 0.05	96 - 108	3 to 7	
<b>RUBBER AID - ZF42</b>	Lt. Beige / Yellow / Brown / Pastilles	Blends of Fatty Acid Derivatives	1.00 ± 0.05	90 ± 7	1 max	
<b>RUBBER AID - ZF222</b>	Lt. Tan / Off White / Yellow / Pastilles	H.M Wt Fatty Acid Esters and Condensation Products	1.00 ± 0.05	55 - 70	0.20 max	
<b>RUBBER AID - ZF30</b>	Beige / Yellowish / Off White / Pastilles	Blend of Fatty alcohols, Salts of Fatty Acids and Lubricants	0.95 ± 0.05	105 - 115	2.50 – 3.50	

Shelf Life	Packing	Dosage (phr)	Function & Application
2 years	25 kgs	2 - 3	A zinc free processing additive developed for highly filled silica compounds. Reduces the tendency of re-agglomeration of filler particles, particularly silica. Maintains low viscosity during compound storage with good extrusion and does not influence on cured compound dynamic properties.
2 years	25 kgs	2 - 5	Could prevent sticking of rubbers and compounds to rotors and rolls and its addition can reduce the risk of scorching in highly loaded rubber compounds. Improves the flow properties of the rubber compound, which could result in tooling the molds faster and under lower pressure, particularly useful in injection and transfer molding operations. Improves the dispersibility of highly active white fillers and other ingredients.
2 years	25 kgs	1 - 5	> Improves flow properties of polymeric compounds by reducing viscosity and promoting slippage at the rubber-to-metal interface, which could lead to higher extrusion rates, improved dimensional stability and a constant level of die swell. > Eliminates sticking to rotors in internal mixers or open mills and calendar rolls. > An activating effect on the cross-linking rate of sulfur cross- linked polymer / rubber compounds. > Improves EPDM flow and release characteristics in injection and extrusion processes.
2 years	25 kgs	1 - 5	It provide very good lubricating effects and helps to improve flow and mould release. Can be incorporated both in the internal mixer or on the mill and is recommended to add this additive with the fillers.
2 years	25 kgs	2 - 4	Exhibits good plasticizing properties and highly effective in polar NBR rubber compounds. Improves the flow and release properties. Prevents sticking of elastomers and rubber compounds to rotors and rolls and can reduce the risk of scorching in highly loaded compounds.
2 years	25 kgs	1 - 5	In comparison to other processing additives, it exhibits better compatibility with most polymers used in rubber industry and, could show excellent affinity to the commonly used fillers like silica, carbon black, chalk or calcined clay.

