Tinna®
Caring for Environment

Tinna 3R
Reinforcing Recycled Rubber

Micronized Rubber Powder

Benefits

Added additionally in the compound, offers cost savings

Low density reinforcing agent

Improves compound flow

Prevents breaking of micro vents in tyres

Tinna 3R is finely powdered rubber, processed from used truck/bus radial tyres. It is manufactured using an indigenously developed technology developed by Tinna, that gives high structure to the rubber particles enabling better bonding with polymer.

Tinna 3R MRP, delivers excellent reinforcing properties in all kinds of rubber compounds..

Specifications

Grades	Sieve Passing (min)	Ash	Acetone Extract (max)	Carbon	Specific Gravity	Polymer
Tinna 3R 175	90%	11-12.5%	15%	24-32%	1.13-1.15	Natural Rubber
Tinna 3R 125	85%	12-14%	15%	24-32%	1.13-1.15	Natural Rubber
Tinna 3R 100	85%	14-16%	15%	24-32%	1.13-1.15	Natural Rubber
Tinna 3R 75	85%	14-16%	15%	24-32%	1.13-1.15	Natural Rubber
ASTM Method		F-2308	F-2646	F-2304	F-2309	

How to Use

Tinna 3R should be added in the early stage of mixing with rubber to get uniform dispersion. It is suitable for use in NR/SBR/PBR/EPDM and can be used in TPR/TPE as a filler.

Recommended Dosage

Tinna 3R recommended dosages are :

- For tyres: Up to 20phr
- For conveyor belts and solid tyres: 20-40 phr.

Note: Tinna 3R is to be added into the compound without replacing any ingredient.

Product Application Matrix

Industry	Application	Grades			
		Tinna 3R 175	Tinna 3R 125	Tinna 3R 100	Tinna 3R 75
Tyres	Tyre Treads	•	•	•	•
	Tyre Side Walls	•	•	•	•
	Radial Tyres	•	•	•	•
	Solid Tyres	•	•	•	•
	Cycle Tyres				
	Re-treads	•	•	•	•
Industrial	Conveyer Belts	•	•	•	•
	Pipes and Tubes	•	•	•	•
	Insulation Sheets	•	•	•	•
	Rubber Lining/EPDM Compounds		•	•	•
	Moulded components	•	•	•	•
Consumer	Sheeting/Matting	•	•	•	•
	Playground Surface				
	Carpet Backing	•	•	•	•
	Footwear	•	•	•	•

Why Tinna?

Fully integrated plants deconstruct waste tyres to value added products.

Pan India presence

REACH, PAH & RoHS certified.

Capacity to process 72,000 MT of waste tyres annually.

Zero waste with total environment friendly process.

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Certifications: IATF16949, ISO 9001:2015, ISO 14001: 2015 and OHSAS 18001:2007