



Technical Information

Ecorr[®] RNM

Regular Natural rubber Powder

Ecorr[®] RNM45

Ecorr[®] RNM60

Grades of Ecorr[®] RNM

Key Grades	Truck tread				
	Fine powder RNM45		Super fine powder RNM60		
Acetone extract %	ASTM D297-18	< 13	< 13		
Ashes %	ASTM D297-18	< 6	< 11		
Carbon black %	ASTM E1131	31 ± 2	29 ± 2		
Polymer content %	ASTM E1131	56 ± 4	54 ± 4		
Particle size distribution		Retained	Passing	Retained	Passing
30 mesh / 0.600 mm	% ASTM D5644	< 0.8	> 99.2		
40 mesh / 0.425 mm	% ASTM D5644	< 16	> 84		
50 mesh / 0.300 mm	% ASTM D5644	< 52	> 48	< 16	> 84
60 mesh / 0.250 mm	% ASTM D5644	< 66	> 34	< 45	> 55
100 mesh / 0.150 mm	% ASTM D5644	< 85	> 15	< 75	> 25
140 mesh / 0.106 mm	% ASTM D5644			< 90	> 10
200 mesh / 0.075 mm	% ASTM D5644			< 98	> 2
Appearance:		Black powder			
Packaging:		Big bags 500 kg or 20 kg PE bags			

Advantages

- The high surface activity of the powder provides the compound with excellent mechanical properties.
- When used in a silica based tread compound, the powder improves mould release.
- Used as surface treatment of calandered sheets, rubber powder increases the possibility of air outlet.
- Using in asphalt gives better and longer lasting roads. Reduced noise level, reduced road surface cracking, increased flexibility with extreme cold weather, improved drainage.
- Cost reduction when used in a compound. Compared to traditional high filled compounds, based on cheap fillers such as chalk, a much lower density is achieved.



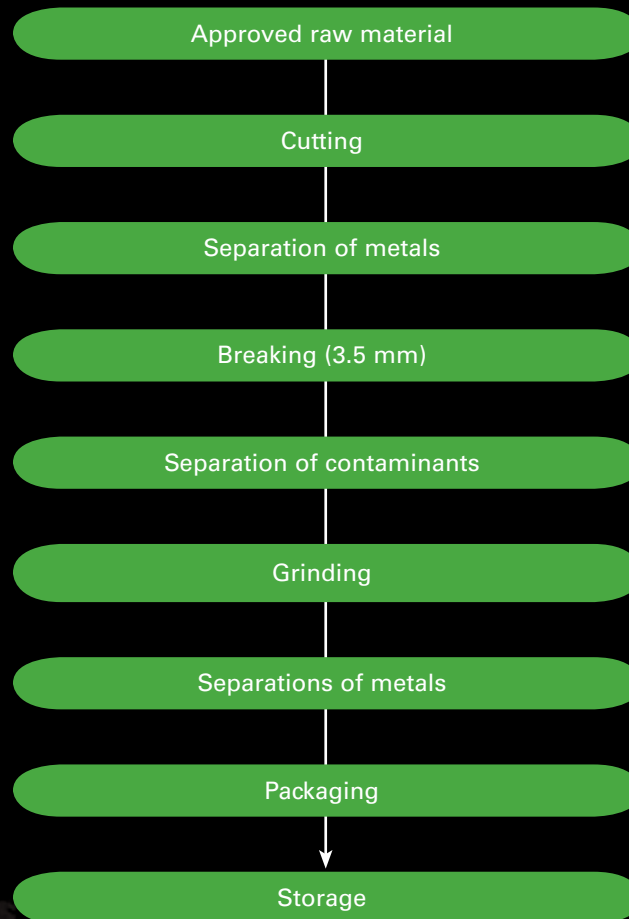
Applications overview

- Tyre applications: (precured) treads, solid tyres.
- Roads: asphalt additive, coatings, sealants, surfacing, road furniture, etc.
- Sport and safety surfaces: indoor safety flooring, playground surfaces, etc.
- Consumer / industrial products: floor tiles, footwear, roofing material, vehicle parts, carpet underlay, automotive parts, etc.

	Fine powder RNM45	Super fine powder RNM60
Tyre applications		
Treads (precured)		X
Solid tyres	X	X
Roads		
Asphalt additive	X	
Coatings	X	
Sealants	X	
Surfacing	X	
Road furniture	X	
Sport and safety surfaces		
	X	
Indoor safety flooring	X	
Playground surfaces		
Consumer / industrial products	X	
	X	X
Floor tiles	X	
Footwear	X	X
Roofing material	X	
Vehicle parts	X	X

RNM process

- The powder is produced from carefully selected truck tyre tread peelings and buffings.
- Grinding takes place at ambient temperature, which gives a powder with a high surface activity.
- The sophisticated separation and purification process ensures that the powder is absolutely free of contaminants (steel, fibre, stones, etc.)
- Manufacturing conditions ensure that the tightly controlled product specifications are met.



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