



Tinna
RECLAIM RUBBER

Benefits

Substitutes polymer, reduces compound cost
Reliable and consistent with smooth finish
Good tackifier with low density

Tinna Reclaim is grainless and free from foreign matter which allows smooth extrusion and good finish. Tinna Reclaim is 100% strained and free from carcinogenic materials. Tinna uses 100% used truck/bus radial tyres and produces crumb rubber in-house which is a major raw material in the production of reclaim rubber, thus ensuring consistent quality of the end product.

Specifications

Sl. No.	Parameter	Grades				Test Method ASTM
		TINNA R100	TINNA R200	TINNA R300	TINNA R400	
Chemical Properties						
1	Ash Content %	Max. 10	Max. 10	Max. 10	Max. 10	D 297-18
2	Acetone Extract %	15-20	15-20	15-20	15-20	D 297-18
3	Specific Gravity	1.13+0.02	1.13+0.02	1.13+0.02	1.13+0.02	D 297- 93
4	Carbon Black %	27+2	27+2	27+2	27+2	E 1131
5	RHC by difference %	48 - 52	48 - 52	48 - 52	48 - 52	E 1131
Rubber Physical Properties						
1	Tensile Strength (Mpa)	5.5+0.5	6.5+0.5	7.5+0.5	8.5+0.5	D 412
2	Elongation at Break (%)	270 Min.	270 Min.	270 Min.	260 Min.	D 412
3	Hardness (Shore A°)	Min 60	Min 60	Min 60	Min 60	D 2240
4	Moony Viscosity ML ₁₊₄	45-55	50-60	60-70	60-80	D 1646
5	Rheometric Data Tc90 (Minuts)	18-22	18-22	18-22	18-22	
6	Colour		Black			Not applicable
7	Refining		Fine			Not applicable

How to Use

The combination of **Tinna Hi-Tensile Reclaim** and Tinna Crumb/Tinna 3R/Tensoflex gives good physical properties at low cost with reduced density of rubber compound.

Product Application Matrix

Industry	Application	Grades			
		TINNA R100	TINNA R200	TINNA R300	TINNA R400
Tyres	Tyre Treads				•
	Tyre Side Walls	•			
	Tyre Bead Compound				•
	Flaps		•	•	•
	Solid Tyres		•	•	•
	Cycle Tyres	•	•		
	Re-tread				•
Industrial	Conveyer Belts		•	•	•
	Pipes and Tubes			•	•
	Impact Modification			•	•
	Insulation Sheets	•	•	•	•
	Rubber Lining	•	•		
	Cable 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 60,000 MT of waste tyres annually.



Zero waste with total environment friendly process.



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