



THERPOL NR AD 70

Therpol NR AD 70 is a worldwide innovation, it is a thermoplastic rubber with excellent fluidity properties, proportioning a significant improvement in flexibility and impact resistance to Polypropylene, Polyethylene, Polystyrene and ABS. As a rubber, it also adds significant impact resistance to plastic compounds when mixed with **Therpol NR AD 70** for low temperature applications.

Polypropylene and Polyethylene compounds were obtained with excellent flexibility and rebound even in very high hardness using **Therpol NR AD 70** as additive.

Main characteristics

- ✓ Granulated Rubber Compound
- ✓ Increase in Impact Resistance
- ✓ High Elongation
- ✓ High Rebound
- ✓ Injection Temperature Reduction
- ✓ Excellent Rubber Texture to Plastic
- ✓ 100% Recyclable

Recommended applications

- ✓ Pallets, Chairs and Tables Manufacturing
- ✓ Pipes and Connections
- ✓ Boxes for Fish, Fruits and Beverages
- ✓ Floor Plates
- ✓ Properties Improvement for Recycled PP, PE, PS and ABS
- ✓ General Plastic Products

Physical Properties

Physical	Nominal	Method
Density	1,035 +/- 0,03 g/cm ³	ASTM D792
Melt Point (190°/2.16 Kg)	3,60+/- 0,3 g/10min	ASTM D1238
Mooney Viscosity (ML 1+4 a 120°C)	16,9 +/- 5 MU	ASTM D1646
Mechanical	Nominal	Method
Tensile Strength (module 100%)	6,88 MPa	ASTM D412
Tensile Strength	10,88 MPa	ASTM D412
Elongation	700%	ASTM D412
Tear Strength	36,75 kN/m	ASTM D624
Hardness	Nominal	Method
Shore A	72pts	ASTM D2240
Shore D	20pts	ASTM D2240
Thermal	Nominal	Method
Low temperature resistance	-40°C	Proquitec

Packing

15 Kg bags

Shelf Life

12 Months

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