

TPV Elastoprene® N40D-E00

Polypropylene + EPDM Rubber

Elastómeros Riojanos S.A.

Message:

NE Series - TPV Elastoprene®

It is a mixture of polypropylene and dynamically vulcanised EPDM rubber (PP/EPDM), with properties similar to those of other rubber products but with better results than traditional plastic materials.

It has good resistance to the effects of ozone, UV rays and diverse chemical products, with an operating temperature of up to 135°C.

It comes in pellet form, and it is transformed by means of traditional machinery used for plastic.

It is a completely recyclable and reusable material.

Recommended for extrusion and co-extrusion transformation processes.

General Information			
Features	Good UV resistance		
	Recyclable materials		
	Ozone resistance		
	Good chemical resistance		
Uses	Architectural application field		
	Seals		
	Application in Automobile Field		
	Profile		
Agency Ratings	EU 2000/53/EC		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 5 seconds, 6.00mm, extruded)	87		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain, 2.00 mm)	8.50	MPa	ISO 37
Tensile Stress ² (Yield, 2.00 mm)	17.0	MPa	ISO 37
Tensile Elongation ³ (Break, 2.00 mm)	500	%	ISO 37
Tear Strength ⁴ (23°C, 2.00 mm)	38	kN/m	ISO 34-1
Compression Set ⁵ (70°C, 22 hr)	58	%	ISO 815
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	-47.0	°C	ISO 812
Flammability	Nominal Value		Test Method
Flame Rating (2.0 mm)	HB		UL 94
Additional Information	Nominal Value		Test Method
Ozone Resistance	0 Rating		ISO 1431-1
Extrusion	Nominal Value	Unit	
Drying Temperature	80	°C	
Melt Temperature	170 - 200	°C	
Die Temperature	200 - 220	°C	
NOTE			
1.	500 mm/min		
2.	500 mm/min		
3.	500 mm/min		
4.	Method A, Pant-Shaped Specimen		
5.	Type a		

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Recommended distributors for this material

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