TPV Elastoprene® N90A-i00

Polypropylene + EPDM Rubber

Elastómeros Riojanos S.A.

Message:

Ni 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 injection and co-injection transformation processes.
The excellent properties of this material make it ideal for the demanding requirements of the automotive industry.
Its main application is for the manufacture of injected and co-injected products that require an elastic functionality in sealing systems.
In the construction industry, it can be used for supports, stops, sealing and expansion joints. It is also used in the manufacture of membranes, tool handles and other types of consumer products.

General Information			
Features	Good UV resistance Recyclable materials Ozone resistance Good chemical resistance		
Uses	Architectural application field Seals Membrane Application in Automobile Field Consumer goods application field		
Agency Ratings	EU 2000/53/EC		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.960	g/cm³	ISO 1183/A
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shao A, 5 seconds, 6.00mm, injection molding)	90		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain, 2.00 mm)	5.50	MPa	ISO 37
Tensile Stress [2] (Yield, 2.00 mm)	11.0	MPa	ISO 37
Tensile Elongation [3] (Break, 2.00 mm)	420	%	ISO 37
Tear Strength [4] (23°C, 2.00 mm)	21	kN/m	ISO 34-1
Compression Set [5] (70°C, 22 hr)	48	%	ISO 815

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.0	°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
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80	°C	
Suggested Max Regrind	20	%	
Nozzle Temperature	200 - 220	°C	
Processing (Melt) Temp	180 - 200	°C	
NOTE			
1.	500 mm/min		
2.	500 mm/min		
3.	500 mm/min		
4.	Method A, Pant-Shaped Specimen		
5.	Type a		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT