

Multiuse Leostomer® LE-3180N

Thermoplastic Polyurethane Elastomer

Riken Technos Corp.

Message:

Multiuse Leostomer®LE-3180N is a thermoplastic polyurethane elastomer product. It can be processed by extrusion and is available in North America or Asia Pacific.

Features include:

environmental protection/green

good weather resistance

General Information			
Features	Recyclable materials		
	Good weather resistance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.20	MPa	ISO 37
Tensile Stress (Yield)	20.0	MPa	ISO 37
Tensile Elongation (Break)	810	%	ISO 37
Tear Strength	57	kN/m	ISO 34-1
Compression Set			ISO 815
--	45	%	ISO 815
70°C, 22 hr	42	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (50°C, 24 hr, in IRM 902 oil)	-15	%	ISO 1817
Change in Tensile Strain at Break (50°C, 24 hr, in IRM 902 oil)	10	%	ISO 1817
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ISO 974
Additional Information			
The values listed above are tested in accordance with JIS K test methods.Rebound Resilience: 40%			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	
Cylinder Zone 3 Temp.	160	°C	

Cylinder Zone 5 Temp.	180	°C
Melt Temperature	180 - 200	°C
Die Temperature	190	°C

Extrusion instructions

Screw L/D Ratio: 20.0:1.0Screw Speed: 10 to 40 rpm

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Recommended distributors for this material

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