

Multiuse Leostomer® LJ-3180N

Thermoplastic Polyurethane Elastomer

Riken Technos Corp.

Message:

Multiuse Leostomer®LJ-3180N is a thermoplastic polyurethane elastomer product. It can be processed by injection molding 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	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	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)	3.60	MPa	ISO 37
Tensile Stress (Yield)	18.5	MPa	ISO 37
Tensile Elongation (Break)	910	%	ISO 37
Tear Strength	55	kN/m	ISO 34-1
Compression Set			ISO 815
--	53	%	ISO 815
70°C, 22 hr	47	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (50°C, 24 hr, in IRM 902 oil)	-13	%	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.Injection speedFast0Rebound Resilience: 39%Die Temperature: 20 to 40°CInjection Pressure: LowMaintained Pressure: LowBack Pressure: Low			
Injection	Nominal Value	Unit	
Rear Temperature	180	°C	
Middle Temperature	190	°C	

Front Temperature	200	°C
Nozzle Temperature	200	°C
Processing (Melt) Temp	180 - 220	°C
Injection Rate	Fast	

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