



TECHNICAL DATA SHEET

Multiuse Leostomer LJ-3180N-US

(Olefin-based Thermoplastic Elastomer)

General Characteristics

Description : LJ-3180N-US is a Thermoplastic Elastomer compound.**Feature :** Ease of Injection processing.**Application :** General purpose Injection.**Available Color(s) :** Black and Natural

Technical Information

PHYSICAL	Typical Value ¹	Unit	
Form		Pellet	
Specific Gravity (± 0.03)	0.95		ISO 1183
Hardness (Shore 'A', ± 5 , 15 sec)	80		ISO 868
MECHANICAL			
Tensile Strength	18.5 MPa		ISO 37
100% Modulus	3.6 MPa		ISO 37
Ultimate Elongation	910 %		ISO 37
Tear Strength	55 N/mm		ISO 34-1
Elasticity			
Compression set after 22 hours at 70 °C (158°F)	47 %		ISO 815
Thermal			
Brittleness	Less than -60 °C (-76°F)		ISO 974
Aging			
Retention in Tensile Stress (50°C (122°F), 24 hr, in IRM 902 Oil)	87 %		ISO 1817
Volume Swell(50°C, (122°F) 24 hr, in IRM 902 Oil)	10 %		ISO 1817
MELT FLOW			
MFR 230°C (446°F) 2,160g	3.3 g/10 min		ISO 1133
PROCESSING			
Method		Extrusion	
Recommended Melt Temperature		200 °C (392 °F)	
REGULATORY			
N/A			

¹ Typical Values: These are not construed as specifications.² Type 1A tensile bars. Speed of testing: 500mm/min

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