RIKEN AMERICAS

TECHNICAL DATA SHEET

Multiuse Leostomer LJ-3160N-US

(Olefin-based Thermoplastic Elastomer)

General Characteristics

Description : LJ-3160N-US is a Thermoplastic Elastomer compound.
Feature : Ease of Injection processing.
Application : General purpose Injection.
Available Color(s) : Black and Natural

Technical Information

	Typical Value[1]	Unit	
PHYSICAL			
Form	Pellet		
Specific Gravity (± 0.03)	0.94		ISO 1183
Hardness (Shore 'A', ± 5, 15 sec)	60		ISO 868
MECHANICAL			
Tensile Strength	11.4	MPa	ISO 37
100% Modulus	1.9	MPa	ISO 37
Ultimate Elongation	960	%	ISO 37
Tear Strength	39	N/mm	ISO 34-1
Elasticity			
Compression set after 22 hours at 70 ℃ (158℉)	42	%	ISO 815
Thermal			
Brittleness	Less than -60	℃ (-76℉)	ISO 974
Aging			
Retention in Tensile Stress (50°C (122℉), 24 hr, in IRM 902 Oil)	95	%	ISO 1817
Volume Swell(50°C, (122℉) 24 hr, in IRM 902 Oil)	13	%	ISO 1817
MELT FLOW			
MFR 230℃ (446℉) 2,160g	5.0	g/10 min	ISO 1133
PROCESSING			
Method	Extrusion		
Recommended Melt Temperature	200	℃ (392 ℉)	
REGULATORY			
N/A			

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[1] Typical Values: These are not construed as specifications.

[2] Type 1A tensile bars. Speed of testing: 500mm/min

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