



TECHNICAL DATA SHEET

Multiuse Leostomer LE-3160N-US

(Olefin-based Thermoplastic Elastomer)

General Characteristics

Description : LE-3160N-US is a Thermoplastic Elastomer compound.

Feature : Ease of Extrusion processing.

Application : General purpose Injection.

Available Color(s) : Black and Natural

Technical Information

PHYSICAL	Typical Value ¹	Unit	
Form		Pellet	
Specific Gravity (± 0.03)	0.94		ISO 1183
Hardness (Shore 'A', ± 5 , 15 sec)	60		ISO 868
MECHANICAL			
Tensile Strength	15.2 MPa		ISO 37
100% Modulus	1.7 MPa		ISO 37
Ultimate Elongation	820 %		ISO 37
Tear Strength	42 N/mm		ISO 34-1
Elasticity			
Compression set after 22 hours at 70 °C (158°F)	35 %		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)	94 %		ISO 1817
Volume Swell(50°C, (122°F) 24 hr, in IRM 902 Oil)	13 %		ISO 1817
MELT FLOW			
MFR 230°C (446°F) 2,160g	1.5 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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