TECHNICAL DATA SHEET

Multiuse Leostomer LE-3150N-US

(Olefin-based Thermoplastic Elastomer)

General Characteristics

Description : LE-3150N-US is a Thermoplastic Elastomer compound.
Feature : Ease of Extrusion 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	50		ISO 868
MECHANICAL			
Tensile Strength	14.0	MPa	ISO 37
100% Modulus	1.2	MPa	ISO 37
Ultimate Elongation	960	%	ISO 37
Tear Strength	35	N/mm	ISO 34-1
Elasticity			
Compression set after 22 hours at 70 ℃ (158℉)	34	%	ISO 815
Thermal			
Brittleness	Less than -60 ℃ (-76℉)		ISO 974
Aging			
Retention in Tensile Stress (50° C (122℉), 24 hr, in IRM 902 Oil)	96	%	ISO 1817
Volume Swell(50° C, (122℉) 24 hr, in IRM 902 Oil)	13	%	ISO 1817
MELT FLOW			
MFR 230℃ (446℉) 2,160g	2.1	g/10 min	ISO 1133

PROCESSING		
Extrusion		
Feed zone Temperature	320 to 356 ° F	160 to 180 ℃
Compression zone Temperature	338 to 374 ° F	170 to 190 ℃
Metering zone Temperature	356 to 410 ° F	180 to 210 ℃
Die Temperature	356 to 428 ° F	180 to 220 ℃
Melt Temperature	356 to 428 ° F	180 to 220 ℃
Screen mesh	Recommend 40 or more	

REGULATORY
N/A

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

IMPORTANT: These suggestions and data are based on information we believe to be reliable. They are offered in good faith without guarantee or warranty, as conditions and methods of use of our products are beyond our control. We strongly urge that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. User assumes all risks and liabilities in connection with use