



## TECHNICAL DATA SHEET

## Multiuse Leostomer LE-3180N-US

(Olefin-based Thermoplastic Elastomer)

## General Characteristics

**Description :** LE-3180N-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 <sup>1</sup>	Unit	
Form		Pellet	
Specific Gravity ( $\pm 0.03$ )	0.95		ISO 1183
Hardness (Shore 'A', $\pm 5$ , 15 sec)	80		ISO 868
<b>MECHANICAL</b>			
Tensile Strength	20.0 MPa		ISO 37
100% Modulus	3.2 MPa		ISO 37
Ultimate Elongation	810 %		ISO 37
Tear Strength	57 N/mm		ISO 34-1
<b>Elasticity</b>			
Compression set after 22 hours at 70 °C (158°F)	42 %		ISO 815
<b>Thermal</b>			
Brittleness	Less than -60 °C (-76°F)		ISO 974
<b>Aging</b>			
Retention in Tensile Stress (50°C (122°F), 24 hr, in IRM 902 Oil)	85 %		ISO 1817
Volume Swell(50°C, (122°F) 24 hr, in IRM 902 Oil)	10 %		ISO 1817
<b>MELT FLOW</b>			
MFR 230°C (446°F) 2,160g	0.8 g/10 min		ISO 1133
<b>PROCESSING</b>			
Method		Extrusion	
Recommended Melt Temperature		200 °C (392 °F)	
<b>REGULATORY</b>			
N/A			



<sup>1</sup> Typical Values: These are not construed as specifications.

<sup>2</sup> 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 of this product.*