



INFUSE™ 9077

Olefin Block Copolymer

Overview INFUSE™ 9077 is a high performance olefin block copolymer that can be compounded with a variety of polyolefins to make a thermoplastic elastomer suitable for XL foams and other applications

This product is delivered with a nominal talc partitioning agent to assist in material handling.

Main Characteristics

- Highly flexible
- Crosslinkable for foam applications

Applications

- Compounding to make soft XL foams

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.869 g/cm ³	0.869 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant (Compression Molded)	175 psi	1.21 MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	435 psi	3.00 MPa	ASTM D638
Tensile Elongation Break, Compression Molded	> 1000 %	> 1000 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength ¹	150 lbf/in	26.3 kN/m	ASTM D624
Compression Set			ASTM D395
73°F (23°C)	20 %	20 %	
158°F (70°C)	43 %	43 %	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness Shore A, Compression Molded	51	51	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	-85.0 °F	-65.0 °C	Dow Method
Melting Temperature (DSC)	244 °F	118 °C	Dow Method
TMA	226 °F	108 °C	Dow Method

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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