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/cm³	0.869	g/cm³	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					ASTM D638
Break, Compression Molded	> 1000	%	> 1000	%	
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					ASTM D2240
Shore A, Compression Molded	51		51		
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.

[1] Die C

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