INFUSE™ 9077

Olefin Block Copolymer

The Dow Chemical Company

Message:

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

General Information			
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.869	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, Compression Molded)	51		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - 100% Secant (Compression Molded)	1.21	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	3.00	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	> 1000	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength [1]	26.3	kN/m	ASTM D624
Compression Set			ASTM D395
23°C	20	%	
70°C	43	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-65.0	°C	Internal Method
Melting Temperature (DSC)	118	°C	Internal Method
TMA	108	°C	Internal Method
NOTE			
1.	Die C		

Recommended distributors for this material

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