INFUSE™ 9817

Olefin Block Copolymer

The Dow Chemical Company

Message:

INFUSE™ 9817 Olefin Block Copolymer is a high performance olefin block copolymer that offers excellent performance in durable, flexible injection molded industrial and consumer goods. INFUSE 9817 has a higher set up temperature, which allows for faster injection molding cycle times. In addition, its high crystallization temperature and lower density drive to lower production cost by reducing cycle time and reducing part weight.
Main Characteristics:
High upper service temperature performance
Highly flexible with good elastic recovery
General purpose elastomer
Excellent for compounds and blends
Reduced part weight
Talc dusted
Complies with
EU, No 10/2011
U.S. FDA FCN 424
Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011 FDA FCN 424		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.877	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, Compression Molded)	71		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - 100% Secant (Compression Molded)	2.31	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	7.00	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	1500	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	7.00	MPa	ASTM D412
Tensile Elongation (Break)	1700	%	ASTM D412
Tear Strength	31.0	kN/m	ASTM D624
Compression Set			ASTM D395
21°C	15	%	
70°C	58	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Melting Temperature (DSC)	120	°C	Internal Method
TMA [1] (1.00 mm)	95	°C	Internal Method

NOTE	
1.	1N, 5°C/min

Recommended distributors for this material

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