INFUSE™ 9507
Olefin Block Copolymer

Overview

INFUSE™ 9507 Olefin Block Copolymer is a high performance olefin block copolymer that has excellent flow characteristics and performs well in a wide range of general purpose thermoplastic elastomer applications, such as injection molding and profile extrusion.

INFUSE 9507 provides outstanding haptics in over molding applications with polypropylene (PP) and Polyethylene (PE). In addition its lower density can help control resin and production costs, while reducing the weight of end products.

Main Characteristics:

- High upper service temperature performance
- Highly flexible with good elastic recovery
- Fast set up times for processability
- General purpose elastomer
- Excellent for compounds and blends
- Talc dusted

Complies with

- EU, No 10/2011
- U.S. FDA FCN 424

Consult the regulations for complete details

Additive

- Antiblock: No
- Slip: No
- Processing Aid: No

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.866	g/cm³	0.866	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	5.0	g/10 min	5.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus - 100% Secant (Compression Molded)	216	psi	1.49	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	419	psi	2.89	MPa	ASTM D638
Tensile Elongation					ASTM D638
Break, Compression Molded	1200	%	1200	%	
Elastomers	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Strength (Break)	1020	psi	7.00	MPa	ASTM D412
Tensile Elongation (Break)	1900	%	1900	%	ASTM D412
Tear Strength	126	lbf/in	22.0	kN/m	ASTM D624
Compression Set					ASTM D395
70°F (21°C)	22	%	22	%	
158°F (70°C)	70	%	70	%	
Hardness	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Durometer Hardness					ASTM D2240
Shore A, Compression Molded	60		60		
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Melting Temperature (DSC)	246	°F	119	°C	Dow Method
TMA [1] (39.4 mil (1.00 mm))	171	°F	77	°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] 1N, 5°C/min

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