



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/cm ³	0.866 g/cm ³	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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Additional Information

North America		Europe/Middle East	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+31-11567-2626
	1-989-832-1426	Italy:	+800-783-825
Mexico:	+1-800-441-4369		
Latin America		South Africa	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	Asia Pacific	+800-7776-7776
Mexico:	+52-55-5201-4700		+603-7965-5392

www.dowplastics.com

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