



INFUSE™ 9500

Olefin Block Copolymer

Overview

INFUSE™ 9500 Olefin Block Copolymer is a developmental olefin 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 9500 provides outstanding haptics in over molding applications with polypropylene (PP) and Polyethylene (PE). In addition, its high crystallization temperature and lower density drive lower production costs by reducing cycle time and reducing part weight.

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

Complies with:

- Europe EU-Directive 2002/72/EC
- U.S. FDA FCN 424

Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.877 g/cm ³	0.877 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)	331 psi	2.28 MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	723 psi	4.98 MPa	ASTM D638
Tensile Elongation Break, Compression Molded	1200 %	1200 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	200000 psi	1380 MPa	ASTM D412
Tensile Elongation (Break)	1600 %	1600 %	ASTM D412
Tear Strength	200 lbf/in	35.0 kN/m	ASTM D624
Compression Set			
70°F (21°C)	22 %	22 %	ASTM D395
158°F (70°C)	55 %	55 %	ASTM D395 ¹
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	69	69	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature (DSC)	251 °F	122 °C	Dow Method
TMA (1.00 in (25.4 mm), 1N, 5°C/min)	97 °F	36 °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 5°C/min

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