

INFUSE™ 9500

Olefin Block Copolymer

The Dow Chemical Company

Message:

INFUSE™ 9500 Olefin Block Copolymer is a 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:

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/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Compression Molded)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (Compression Molded)	2.28	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	4.98	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	1200	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.50	MPa	ASTM D412
Tensile Elongation (Break)	1600	%	ASTM D412
Tear Strength	35.0	kN/m	ASTM D624
Compression Set			ASTM D395
21°C	22	%	
70°C ¹	55	%	
Thermal	Nominal Value	Unit	Test Method

Melting Temperature (DSC)	122	°C	Internal Method
TMA ² (2.54 cm)	97	°C	Internal Method
NOTE			
1.	5°C/min		
2.	1N, 5°C/min		

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