



# INFUSE™ 9530

## Olefin Block Copolymer

### Overview

INFUSE™ 9530 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 9530 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

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	0.887 g/cm <sup>3</sup>	0.887 g/cm <sup>3</sup>	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)	554 psi	3.82 MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	1070 psi	7.37 MPa	ASTM D638
Tensile Elongation Break, Compression Molded	1000 %	1000 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	2470 psi	17.0 MPa	ASTM D412
Tensile Elongation (Break)	1300 %	1300 %	ASTM D412
Tear Strength	297 lbf/in	52.0 kN/m	ASTM D624
Compression Set			ASTM D395
70°F (21°C)	20 %	20 %	
158°F (70°C)	45 %	45 %	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	83	83	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature (DSC)	246 °F	119 °C	Dow Method
TMA <sup>1</sup> (1.0 in (2.54 cm))	232 °F	111 °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.

<sup>1</sup> 1N, 5°C/min

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