



INFUSE™ 9007

Olefin Block Copolymer

Overview

INFUSE™ 9007 Olefin Block Copolymer is a lower density higher performance olefin block copolymer that can be widely used in TPE applications where higher service temperature requirements are needed. INFUSE 9007 also provides high filler loading capability and gives good elastic recovery.

Main Characteristics:

- High upper service temperature performance
- Highly flexible with good elastic recovery
- 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)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant (Compression Molded)	258 psi	1.78 MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	590 psi	4.07 MPa	ASTM D638
Tensile Elongation Break, Compression Molded	400 %	400 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1410 psi	9.70 MPa	ASTM D412
Tensile Elongation (Break)	1300 %	1300 %	ASTM D412
Tear Strength	166 lbf/in	29.0 kN/m	ASTM D624
Compression Set			ASTM D395
70°F (21°C)	18 %	18 %	
158°F (70°C)	57 %	57 %	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness Shore A, Compression Molded	64	64	ASTM D2240
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))	190 °F	88 °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

