



# INFUSE™ 9010

## Olefin Block Copolymer

**Overview** INFUSE 9010 Olefin Block Copolymer is a low tack, high tensile strength olefin elastomer for formulating soft compounds. It is readily compounded with a variety of other materials to make simple to complex blends. Its versatility makes it useful for providing solutions a range of soft applications, from grips to toys and beyond.

Main Characteristics:

- Excellent for compounds and blends
- Low tack product
- High upper service temperature performance
- Highly flexible with good elastic recovery
- General purpose elastomer

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.877 g/cm <sup>3</sup>	0.877 g/cm <sup>3</sup>	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 <sup>1</sup> (Compression Molded)	493 psi	3.40 MPa	ASTM D638
Tensile Strength <sup>1</sup> (Break, Compression Molded)	1910 psi	13.2 MPa	ASTM D638
Tensile Elongation <sup>1</sup> Break, Compression Molded	> 750 %	> 750 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	2110 psi	14.5 MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	770 %	770 %	ASTM D412
Tear Strength	273 lbf/in	47.8 kN/m	ASTM D624
Compression Set			ASTM D395
70°F (21°C)	24 %	24 %	
158°F (70°C)	67 %	67 %	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	77	77	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature (DSC)	252 °F	122 °C	Dow Method
TMA <sup>3</sup> (39.4 mil (1.00 mm))	250 °F	121 °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> 20 in/min (510 mm/min)

<sup>2</sup> Die C

<sup>3</sup> 1N, 5°C/min

