



## Technical Data Sheet

### INFUSE™ 9807N Olefin Block Copolymer

#### Description

INFUSE™ 9807N is a high-performance olefin block copolymer that offers excellent performance in durable, flexible injection molded industrial and consumer goods. INFUSE™ 9807N has a higher set up temperature, which allows for faster injection molding cycle times. 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 compounds for 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

#### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method <sup>2</sup>
Density	0.866	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Modulus – 100% Secant (Compression Molded)	1.35	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	1.60	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	> 500	%	ASTM D638
<b>Elastomers</b>			
Tear Strength	19	kN/m	ASTM D624
Compression Set			ASTM D395
21°C, 22 hours	25	%	
70°C, 22 hours	71	%	

1. Typical properties: these are not to be construed as specifications. Users should confirm results by their own tests.
2. ASTM: American Society for Testing and Materials



## Properties (Cont.)

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-62	°C	Internal Method
Melting Temperature (DSC)	119	°C	Internal Method
TMA <sup>3</sup> (1.00 mm)	106	°C	Internal Method

3. 1N, 5°C/min

