Technical Data Sheet

INFUSE™ 9507N Olefin Block Copolymer

Description

INFUSE™ 9507N 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™ 9507N Olefin Block Copolymer 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 Chartacteristics

- 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.

Properties[1]

Physical	Nominal Value	Unit	Test Method[2]
Density	0.866	g/cm^3	ASTM D792
Specific Gravity	0.866	g/cm^3	ASTM D792
Melt Index (190°C/2.16 kg)	5.0	g/10 min	ASTM D1138
Mechanical			
Tensile Modulus – 100% Secant (Compression Molded)	1.12	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	1.45	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	1000	%	ASTM D638
Compression Set			
21ºC, 22 hours	30	%	ASTM D395
70ºC, 22 hours	80	%	ASTM D395
Thermal			
Melting Temperature (DSC)	117	°C	Internal Method
TMA[3] (1.00 mm)	105	°C	Internal Method

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.
3. 1N, 5°C/min