Technical Data Sheet

INFUSE™ 9107N Olefin Block Copolymer

Description

INFUSE™ 9107N Olefin Block Copolymer is a low density high performance olefin copolymer that can be widely used in TPE applications where higher service temperature requirements are needed. INFUSE™ 9107N Olefin Block Copolymer also provides higher filler loading capability and gives good elastic recovery.

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.

Additive

- Antiblock: No
- Slip: No
- Processing Aid: No

Properties[1]

Physical	Nominal Value	Unit	Test Method[2]
Density	0.866	g/cm³	ASTM D792
Specific Gravity	0.866	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0	g/10 min	ASTM D1138
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus – 100% Secant (Compression Molded)	1.51	MPa	ASTM D638
Tensile Strength (Break, Compression Molded)	6.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	> 1000	%	ASTM D638
Compression Set	**Nominal Value**	**Unit**	**Test Method**
21°C, 22 hours	23	%	D395
70°C, 22 hours	63	%	D395
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, Compression Molded)	58		ASTM D2240

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
Melting Temperature (DSC)	118	°C	Internal Method
TMA[3] (1.00 mm)	112	°C	Internal Method

3. 1N, 5°C/min