



INFUSE™ 9900

The Dow Chemical Company - Olefin Block Copolymer

Monday, November 4, 2019

General Information

Product Description

INFUSE™ 9900 Olefin Block Copolymer is a high flow olefin elastomer. It is readily formulated for a variety of applications.

Main Characteristics:

- High flow product
- General purpose elastomer

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Latin America	
	• Europe	• North America	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.882		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ² (Injection Molded)	580	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	640	psi	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	780	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ³ (Break)	735	psi	ASTM D412
Tensile Elongation ³ (Break)	870	%	ASTM D412
Tear Strength	271	lbf/in	ASTM D624
Compression Set			ASTM D395
70°F	38	%	
158°F	98	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Injection Molded)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	252	°F	Internal Method

Notes

¹ Typical properties: these are not to be construed as specifications.

² 20 in/min

³ Die C