

INFUSE™ 9900

Olefin Block Copolymer

The Dow Chemical Company

Message:

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 Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Injection Molded)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ¹ (Injection Molded)	4.00	MPa	ASTM D638
Tensile Strength ² (Break, Injection Molded)	4.41	MPa	ASTM D638
Tensile Elongation ³ (Break, Injection Molded)	780	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ⁴ (Break)	5.07	MPa	ASTM D412
Tensile Elongation ⁵ (Break)	870	%	ASTM D412
Tear Strength	47.5	kN/m	ASTM D624
Compression Set			ASTM D395
21°C	38	%	ASTM D395
70°C	98	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	122	°C	Internal method
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	510 mm/min		
4.	C mould		
5.	C mould		

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