

SABIC® LDPE 1965N0

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 1965N0 is a fast flowing polymer for flexible articles where mechanical properties are not critical. The material has a typically low tendency to warp.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Features	Good Flexibility		
	High Flow		
	Low Density		
	Low Warpage		
Uses	Masterbatch		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	65	g/10 min	
190°C/5.0 kg	210	g/10 min	
Melt Volume-Flow Rate (MVR)			ISO 1133
190°C/2.16 kg	85.0	cm ³ /10min	
190°C/5.0 kg	270	cm ³ /10min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	40		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (2.00 mm, Compression Molded)	165	MPa	ISO 527-2/1BA/50
Tensile Stress			ISO 527-2/1BA/50
Yield, 2.00 mm, Compression Molded	8.00	MPa	
Break, 2.00 mm, Compression Molded	7.00	MPa	
Tensile Strain (Break, 2.00 mm, Compression Molded)	150	%	ISO 527-2/1BA/50
Tensile Creep Modulus ¹			ISO 899-1
1 hr	70.0	MPa	
1000 hr	35.0	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C, Compression Molded	5.0	kJ/m ²	
23°C, Compression Molded	40	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	40.0	°C	ISO 75-2/A
Vicat Softening Temperature	75.0	°C	ISO 306/A
Melting Temperature (DSC)	104	°C	DIN 53765
Enthalpy Change	95.0 to 100	J/g	DIN 53765
NOTE			

1. 4mm

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Recommended distributors for this material

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