

SNOLEN® IM 8/51

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Low deformation. High hardness.

MAJOR APPLICATIONS
Bottle hoods and lids.

General Information			
Features	High Density		
	High Hardness		
Uses	Lids		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.947 to 0.951	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	110 to 130	g/10 min	
190°C/5.0 kg	6.0 to 8.0	g/10 min	
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	12.0	hr	ISO 16770
Melt Flow Ratio	15.5 to 21.5		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	1050	MPa	
Tensile Stress			ISO 527-2/50
Yield	24.0	MPa	
Break	30.0	MPa	
Tensile Strain			
Yield	10	%	ISO 527-2
Break	> 1000	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	> 4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	70.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 280	°C	

NOTE

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|----|-----------|
| 1. | @ 2.5 MPa |
| 2. | 1 mm/min |

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