

SNOLEN® IM 31/52

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Very good flow characteristics. Low deformation.
MAJOR APPLICATIONS
Medical equipment. Goods approved for contact with food. Lids/seals. Packaging.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	High Density		
Uses	Lids		
	Medical/Healthcare Applications		
	Non-specific Food Applications		
	Packaging		
	Seals		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.948 to 0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	8.0 to 12	g/10 min	
190°C/5.0 kg	25 to 31	g/10 min	
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	1.00	hr	ISO 16770
Melt Flow Ratio	2.20 to 3.40		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1000	MPa	ISO 527-2/1
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)	2.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	64.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 280	°C	
NOTE			

1. @ 2.5 MPa

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