

SNOLEN® IM 31/54

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	High density		
	Good liquidity		
	Compliance of Food Exposure		
Uses	Packaging		
	Non-specific food applications		
	Cover		
	Seals		
	Medical/nursing supplies		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.950 - 0.954	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	8.0 - 12	g/10 min	ISO 1133
190°C/5.0 kg	25 - 31	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	1.00	hr	ISO 16770
Volatile Matter		wt%	
Melt Flow Ratio	2.20 - 3.40		
Hardness	Nominal Value	Unit	Test Method
Durometer 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	ISO 527-2/50
Fracture	30.0	MPa	ISO 527-2/50
Tensile Strain			
Yield	10	%	ISO 527-2
Fracture	> 1000	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	> 2.5	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
Additional Information			
Inclusions: <15 pcs			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 280	°C	
NOTE			
1.	@ 2.5 MPa		

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