SNOLEN® IM 59/64

High Density Polyethylene

JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Very good flow characteristics. High hardness. Low deformation.
MAJOR APPLICATIONS
Medical equipment. Toys. Goods approved for contact with food.

General Information			
Features	High density Good liquidity Compliance of Food Exposure High hardness		
Uses	Non-specific food applications Toys Medical/nursing supplies		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.960 - 0.964	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	13 - 21	g/10 min	ISO 1133
190°C/5.0 kg	45 - 59	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance [1] (80°C, 2% Arkopal)	1.00	hr	ISO 16770
Volatile Matter		wt%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	64		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - Secant (23°C)	1350	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	30.0	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)	> 2.0	kJ/m²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	71.0	°C	ISO 306/B50
Additional Information			
Inclusions: <15 pcs			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 280	°C	
NOTE			
1.	@ 2.5 MPa		

Recommended distributors for this material

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