SNOLEN® EB 0.45/54

High Density Polyethylene

JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
High impact strength. Good environmental stress cracking resistance.
MAJOR APPLICATIONS
Containers. Cans.

General Information			
Features	Good Impact Resistance High Density High ESCR (Stress Crack Resist.)		
Uses	Containers		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.950 to 0.954	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	6.5 to 11	g/10 min	
190°C/5.0 kg	0.25 to 0.45	g/10 min	
Environmental Stress-Cracking Resistance [1] (80°C, 2% Arkopal)	5.00	hr	ISO 16770
Melt Flow Ratio	21.0 to 27.0		
Swelling	> 150	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	62		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - Secant (23°C)	1200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	26.0	MPa	
Break	34.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	10	%	
Break	> 800	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	23	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	80.0	°C	ISO 306/B50

Extrusion	Nominal Value	Unit
Melt Temperature	180 to 220	°C

NOTE	
1.	@ 3.5 MPa

Recommended distributors for this material

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