

SNOLEN® EB 0.24/45

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Good environmental stress cracking resistance. High impact strength.
MAJOR APPLICATIONS
Fuel tanks. Blow molding. Packing of hazardous consumer goods.

General Information			
Features	High Density		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	Blow Molding Applications		
	Fuel Tanks		
	Packaging		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.941 to 0.945	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	3.6 to 4.4	g/10 min	
190°C/5.0 kg	0.16 to 0.24	g/10 min	
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	19.0	hr	ISO 16770
Melt Flow Ratio	17.0 to 23.0		
Swelling	130 to 160	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	59		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	750	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	21.0	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)	29	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		

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