

SNOLEN® EB 0.1/52

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Very high impact strength. Good environmental stress cracking resistance.
MAJOR APPLICATIONS
Large-diameter drums. Packing of hazardous consumer goods.

General Information			
Features	High Density		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	Drums		
	Packaging		
Forms	Pellets		
Processing Method	Extrusion Blow 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/21.6 kg	1.9 to 2.5	g/10 min	
190°C/5.0 kg	< 0.10	g/10 min	
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	7.00	hr	ISO 16770
Swelling	> 170	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1100	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	24.0	MPa	
Break	36.0	MPa	
Tensile Strain			
Yield	10	%	ISO 527-2
Break	> 800	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	70	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746

Vicat Softening Temperature	84.0	°C	ISO 306/B50
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	
NOTE			
1.	@ 3.5 MPa		

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