

SNOLEN® EB 1.8/61

High Density Polyethylene

JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES

High hardness. Good impact strength. Good organoleptic properties.

MAJOR APPLICATIONS

Small blow-molded bottles, food containers (up to 5l). Medicines packing. Surfactants packing.

General Information			
Features	Good Impact Resistance Good Organoleptic Properties High Density High Hardness		
Uses	Bottles Food Containers Packaging		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.957 to 0.961	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	24 to 32	g/10 min	
190°C/5.0 kg	1.2 to 1.8	g/10 min	
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	3.00	hr	ISO 16770
Melt Flow Ratio	16.0 to 22.0		
Swelling	95 to 130	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1250	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	28.0	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)	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	77.0	°C	ISO 306/B50
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	
NOTE			

1. @ 3.5 MPa

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