SNOLEN® EB 1.5/56

High Density Polyethylene

JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
High bending strength. Good environmental stress cracking resistance. Good impact strength.
MAJOR APPLICATIONS
Small blow-molded bottles, food containers (up to 5l). Medicines packing. Surfactants packing.

General Information			
Features	Good Impact Resistance High Density High ESCR (Stress Crack Resist.)		
Uses	Bottles Food Containers Packaging		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.952 to 0.956	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	19 to 27	g/10 min	
190°C/5.0 kg	0.90 to 1.5	g/10 min	
Environmental Stress-Cracking Resistance [1] (80°C, 2% Arkopal)	9.00	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)	62		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	26.0	MPa	
Break	32.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	10	%	
Break	> 600	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	10	kJ/m²	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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China