SNOLEN® EF 0.25/59

High Density Polyethylene

JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
High hardness. Good impact resistance by free-falling dart method (puncture resistance by falling weight test). Few gel inclusions. High drawdown rating.
MAJOR APPLICATIONS
Bags. Bin bags. A multilayer film component.

General Information			
Features	Good Drawdown		
	Good Impact Resistance		
	High Density		
	High Hardness		
	Low Gel		
Uses	Bags		
	Multilayer Film		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.955 to 0.959	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	3.5 to 12	g/10 min	
190°C/5.0 kg	0.19 to 0.25	g/10 min	
Melt Flow Ratio	30.0 to 38.0		
Elmendorf Tear Strength			
MD	509.9	g/2.5 cm	
TD	1019.7	g/2.5 cm	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	60		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/50
Yield	27.0	MPa	
Break	35.0	MPa	
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Recommended / Available	10 to 200µm		
Tensile Stress			ISO 527-3/50
MD : Break	45.0	MPa	
TD : Break	40.0	MPa	

Tensile Elongation			ISO 527-3/50
MD : Break	400	%	
TD : Break	450	%	
Dart Drop Impact	210	g	ASTM D1709
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	75.0	°C	ISO 306/B50
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	200 to 230	°C	

Recommended distributors for this material

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