

SNOLEN® EF 3.3/54

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Good environmental stress cracking resistance.
MAJOR APPLICATIONS
Crops packing. Packing films and sheets. A multilayer film component.

General Information			
Features	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Film		
	Multilayer Film		
	Packaging		
	Sheet		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.950 to 0.954	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	55 to 65	g/10 min	
190°C/5.0 kg	2.5 to 3.3	g/10 min	
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Arkopal)	8.00	hr	ISO 16770
Melt Flow Ratio	17.0 to 25.0		
Elmendorf Tear Strength			
MD	458.9	g/2.5 cm	
TD	4920.1	g/2.5 cm	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1050	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	25.0	MPa	
Break	30.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	10	%	
Break	> 1000	%	

Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	20 to 80μm		
Tensile Stress			ISO 527-3/50
MD : Break	41.0	MPa	
TD : Break	26.0	MPa	
Tensile Elongation - MD (Break)	490	%	ISO 527-3/50
Dart Drop Impact	30	g	ASTM D1709
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	73.0	°C	ISO 306/B50
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 230	°C	
NOTE			
1.	@ 3.5 MPa		

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