

SNOLEN® EF 2.1/46 T

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Good tensile strength at break. Good impact strength.
MAJOR APPLICATIONS
Bands. Nets.
T - THT Catalyst

General Information			
Features	Good Impact Resistance		
	High Density		
	High Tensile Strength		
Uses	Netting		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.942 to 0.946	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	23 to 31	g/10 min	
190°C/5.0 kg	1.5 to 2.1	g/10 min	
Melt Flow Ratio	12.0 to 18.0		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	800	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	21.0	MPa	
Break	32.0	MPa	
Tensile Strain			
Yield	10	%	ISO 527-2
Break	> 1000	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	12	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	200 to 230	°C	

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