

SNOLEN® EF 2.1/46 S

High Density Polyethylene
JSC Gazprom neftekhim Salavat

Message:

CHARACTERISTIC PROPERTIES
Good tensile strength at break. Good impact strength.
MAJOR APPLICATIONS
Bands, bags, packing sleeves, nets, films. A multilayer film component.
S - THS (Z501) Catalyst

General Information			
Features	Good Impact Resistance		
	High Density		
	High Tensile Strength		
Uses	Bags		
	Film		
	Multilayer Film		
	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/2.16 kg	18 to 24	g/10 min	
190°C/5.0 kg	1.5 to 2.1	g/10 min	
Melt Flow Ratio	9.00 to 15.0		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	59		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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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

