

Salflex 520TM

High Density Polyethylene

Salflex Polymers Ltd.

Message:

Salflex 520TM is a high density polyethylene product, which contains 20% talc filler. It can be processed by blow molding or extrusion and is available in North America. Typical application areas are: automotive industry. The main characteristics are: impact resistance.

General Information	
Filler / Reinforcement	Talc filler, 20% filler by weight
Features	Ultra-high impact resistance
	Sprayable
Uses	Application in Automobile Field
	Car interior parts
Forms	Particle
Processing Method	Blow molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	17	g/10 min	ISO 1133
Molding Shrinkage	1.9	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Break)	180	%	ISO 527-2
Flexural Modulus	1420	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	26	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	71.0	°C	ISO 75-2/B

Additional Information	
Ash Content, ISO 3451/1A: 20%	

Extrusion	Nominal Value	Unit
Drying Temperature	70.0 - 90.0	°C
Drying Time	2.0 - 4.0	hr
Cylinder Zone 1 Temp.	185 - 220	°C
Cylinder Zone 2 Temp.	185 - 225	°C
Cylinder Zone 3 Temp.	185 - 230	°C

Cylinder Zone 4 Temp.	185 - 230	°C
Melt Temperature	195 - 220	°C
Die Temperature	185 - 230	°C

Extrusion instructions

Blow Molding Mold Temperature: 50 to 80°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

