

# Salflex 525T

High Density Polyethylene

Salflex Polymers Ltd.

Message:

Salflex 525T is a high density polyethylene product, which contains 25% 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, 25% filler by weight
Features	Medium impact resistance
Uses	Application in Automobile Field
Forms	Particle
Processing Method	Blow molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	17	g/10 min	ISO 1133
Molding Shrinkage	1.8	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	91.0	°C	ISO 75-2/B

Additional Information			
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Ash Content, ISO 3451/1A: 25%Elongation at Break, ISO 527: No Break

Extrusion	Nominal Value	Unit
Drying Temperature	70.0 - 90.0	°C
Drying Time	2.0 - 4.0	hr
Cylinder Zone 1 Temp.	190 - 225	°C
Cylinder Zone 2 Temp.	190 - 230	°C
Cylinder Zone 3 Temp.	190 - 235	°C
Cylinder Zone 4 Temp.	190 - 235	°C
Melt Temperature	200 - 235	°C
Die Temperature	190 - 235	°C

Extrusion instructions	
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Blow Molding Mold Temperature: 50 to 80°C

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