

Salflex 510T

High Density Polyethylene

Salflex Polymers Ltd.

Message:

Salflex 510T is a high density polyethylene product, which contains 10% talc filler. It can be processed by blow molding or extrusion and is available in North America. The application fields of Salflex 510T include industrial application and automobile industry. The main characteristics are: impact resistance.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Medium impact resistance		
Uses	Industrial application		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	2.0 - 2.7	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Flexural Modulus	1390	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	23	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	72.0	°C	ISO 75-2/B

Additional Information			
Ash Content, ISO 3451/1A: 11%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.	180 - 220	°C	
Cylinder Zone 2 Temp.	180 - 225	°C	
Cylinder Zone 3 Temp.	180 - 230	°C	
Cylinder Zone 4 Temp.	180 - 230	°C	
Melt Temperature	195 - 220	°C	

Die Temperature	180 - 230	°C
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Extrusion instructions

Blow Molding Mold Temperature: 20 to 60°C

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