

Salflex 810CI

Polypropylene Copolymer

Salflex Polymers Ltd.

Message:

Salflex 810CI is a polypropylene copolymer (PP Copoly) product, which contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in North America. The application fields of Salflex 810CI include automobile industry and industrial application.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Uses	Industrial application		
	Parts under the hood of a car		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.30 - 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2140	MPa	ISO 527-2
Tensile Stress (Yield)	36.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	1990	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	17	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	91.0	°C	ISO 75-2/A
Additional Information			
Ash Content, ISO 3451/1A: 10%			
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	190 - 220	°C	
Middle Temperature	195 - 225	°C	
Front Temperature	195 - 225	°C	
Nozzle Temperature	200 - 230	°C	

Processing (Melt) Temp	195 - 215	°C
Mold Temperature	24.0 - 60.0	°C

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