

Salflex 620KC4

Polypropylene
Salflex Polymers Ltd.

Message:

Salflex 620KC4 is a polypropylene product that contains 20% calcium carbonate filler. It can be processed by blow molding or extrusion and is available in North America. The application fields of Salflex 620KC4 include electrical appliances and automobile industry.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Uses	Home appliance components		
	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) (230°C/2.16 kg)	0.90	g/10 min	ISO 1133
Molding Shrinkage	1.1	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	60		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	1110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Additional Information			
Ash Content, ISO 3451/1A: 19%Tensile Strain at Break, ISO 527: >500%			
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 - 240	°C
Die Temperature	190 - 235	°C
Extrusion instructions		

Blow Molding Mold Temperature: 50 to 85°C

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