

Salflex 610TIM

Polypropylene Copolymer

Salflex Polymers Ltd.

Message:

Salflex 610TIM is a polypropylene copolymer (PP Copoly) product, which contains 10% talc filler. It can be processed by injection molding and is available in North America. The application fields of Salflex 610TIM include automobile industry, electrical appliances and industrial applications.

Features include:

High stiffness

high strength

Impact resistance

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Rigidity, high		
	High tensile strength		
	Medium impact resistance		
Uses	Industrial application		
	Home appliance components		
	Application in Automobile Field		
	Car interior equipment		
	Car exterior decoration		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1 - 1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1990	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D412
Tensile Elongation (Break)	48	%	ASTM D412
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	126	°C	ASTM D648

Additional Information

Ash Content, ASTM D2584: 12%

Injection	Nominal Value	Unit
Drying Temperature	70.0 - 90.0	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	190 - 215	°C
Middle Temperature	200 - 235	°C
Front Temperature	210 - 245	°C
Nozzle Temperature	215 - 245	°C
Processing (Melt) Temp	200 - 220	°C
Mold Temperature	27.0 - 60.0	°C

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