

Talcoprene® 540TC NAT

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer, 40% mineral filled

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Homopolymer		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage	0.80 to 1.3	%	Internal Method
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
Ash Content	40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	29.0	MPa	ASTM D638
Flexural Modulus	3300	MPa	ASTM D790
Flexural Strength	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Rear Temperature	220	°C	
Middle Temperature	240	°C	
Front Temperature	250	°C	
Mold Temperature	50.0 to 70.0	°C	
NOTE			
1.	Rate A (50°C/h), Loading 2 (50 N)		

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Recommended distributors for this material

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