

SUPREME PP SPEXP49

Polypropylene
Supreme Petrochem Ltd.

Message:

Characteristics:
40% CaCO3 filled grade
Easy processing
High stiffness
Good heat stability

Applications:
Appliance parts
Washing machine components, heater body
Fan regulators

General Information			
Filler / Reinforcement	Calcium Carbonate,30% Filler by Weight		
Features	Good Processability		
	Heat Stabilized		
	High Stiffness		
Uses	Appliance Components		
	Electrical Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded)	23.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded)	40	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm, Injection Molded)	2230	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm, Injection Molded)	43.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	26	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	155	°C	ASTM D1525 ³
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	

Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	180 to 260	°C
Mold Temperature	40.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Melt Temperature	180 to 260	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	Rate B (120°C/h), Loading 2 (50 N)	

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