

PROTEQ™ SPM206

Polypropylene Homopolymer

Marplex Australia Pty. Ltd.

Message:

PROTEQ™ Compound SPM206 is a 20% talc filled polypropylene compound that has been specifically formulated to pass the demanding Australian Standards requirements for water filter housings. The material is food contact approved.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Food Contact Acceptable		
Uses	Housings		
Agency Ratings	AS Unspecified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Shore Hardness	107		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.20 mm)	35.0	MPa	ASTM D638
Flexural Modulus ² (3.20 mm)	2800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	130	°C	
1.8 MPa, Unannealed, 3.20 mm	70.0	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	190 to 250	°C	
Middle Temperature	210 to 260	°C	
Front Temperature	220 to 280	°C	
Processing (Melt) Temp	220 to 270	°C	
Mold Temperature	30.0 to 70.0	°C	
Injection Pressure	60.0 to 140	MPa	
Injection Rate	Moderate		

Back Pressure	0.100 to 0.500	MPa
Screw Speed	40 to 60	rpm
Clamp Tonnage	3.0 to 6.0	kN/cm ²
NOTE		
1.	50 mm/min	
2.	10 mm/min	

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