

Spartech Polycom PP5220 B187

Polypropylene Homopolymer

Spartech Polycom

Message:

Formerly X03756

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Features	Rigid, good		
	Homopolymer		
Appearance	Black		
Forms	Particle		
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)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	29.6	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	6.0	%	ASTM D638
Fracture, 23°C	120	%	ASTM D638
Flexural Modulus			ASTM D790
Secant: 23°C	1520	MPa	ASTM D790
Tangent: 23°C	1970	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	98.9	°C	ASTM D648
1.8 MPa, not annealed	51.7	°C	ASTM D648

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

