

Material Data Sheet



Material Code: Sapylen PP20CM20-W

Sapylen PP20CM20-W compounds are homopolymer polypropylene resins reinforced with fine particle size calcium carbonate. They combine impact with stiffness, good colorability, resistance to environmental stress-cracking, good surface, and low mold shrinkage. These compounds are used in appliances, electrical components, housewares, toys, automotive, and utility products. These products have excellent mold detail and surface reproduction with fast set-up times.

Mechanical Properties	Value	Unit	Standard
Density	1/06	g/Cm ³	ASTM D 792
Shirnkage	1	%	ASTM D955
Filler Content	20	%	ASTM D5630
Tensile Sterss @ yield(50mm/min)	28	MPa	ASTM D638
Tensile Sterss @ Break(50mm/min)	27	MPa	ASTM D638
Elongation at Break(50mm/min)	15	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D638
Izod Impact,Notched (23°C)	3	Kj/m ²	ASTM D256

Thermal Properties

MFI(230°C/2.16kg)	20	gr/10min	ASTM 1238
HDT (0.45MPa)	96	°C	ASTM D648

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