Omni PLASTICS™

Product Data & Processing Guidelines

ISO 9001:2008 Certification

OmniPro™
HPP TF20 HS

20% Talc Reinforced, Heat Stabilized, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	1.04	1.04
Filler/Reinforcement	%	D2584	20	20
Mold Shrinkage, Isotropic	in/in	D955	.010 to .014	
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	0.6	32
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	4,800	33
Tensile Elongation	%	D638	45	45
Flexural Modulus	psi (MPa)	D790	350,000	2,413
Flexural Strength	psi (MPa)	D790	8,500	59
THERMAL				
Deflection Temperature 1/8" bar, 66 psi 1/8" bar, 264 psi	°F (°C) °F (°C)	D648 D648	255 165	124 74
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*

RECOMMENDED PROCESSING CONDITIONS

Drying Temperature	N/A
Drying Time	N/A
Maximum Moisture	N/A
Rear Zone(s)	400 to 480° F
Middle Zone(s)	420 to 500° F
Front Zone(s)	420 to 500° F
Nozzle	420 to 500° F
Mold Temperature	80 to 140° F
Melt Temperature	420 to 500° F
Back Pressure	50 to 100 psi

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