



OmniPro™
HPP 10M FR0

Flame Resistant, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	1.02	1.02
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	0.4	21
MECHANICAL				
Tensile Strength At Yield, 73 °F	psi (MPa)	D638	4,600	32
Tensile Elongation	%	D638	5	5
Flexural Modulus	psi (MPa)	D790	220,000	1,517
Flexural Strength	psi (MPa)	D790	6,200	43
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	210	99
1/8" bar, 264 psi	°F (°C)	D648	-	-
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	V-0*	V-0*
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	

Values are based on natural or black materials unless otherwise noted. Properties and values herein are based on laboratory test specimens and should not be used to establish minimum specification limits or fabricate tooling.

Omni does not guarantee the accuracy of this information or the suitability of this product in any given application or usage situation.