



OmniPro™ TPO MF20 HF HSV

High Impact Resistant, High Stiffness, Mineral Reinforced, Heat & UV Stabilized Thermoplastic Polyolefin

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	20	20
Specific Gravity		D792	1.03	1.03
Filler/Reinforcement	%	D2584	20	20
Hardness, Shore D		D2240	59	59
IMPACT				
Izod Impact Resistance				
Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	N/B	N/B
Notched 1/8" bar, -22 °F	ft.-lbs/in. (J/m)	D256	2	107
MECHANICAL				
Tensile Strength				
At Yield, 73 °F	psi (MPa)	D638	2,700	19
Flexural Modulus	psi (MPa)	D790	275,000	1,896
Flexural Strength	psi (MPa)	D790	3,200	22
THERMAL				
Deflection Temperature				
1/8" bar, 66 psi	°F (°C)	D648	220	104
FLAMMABILITY				
Flame Resistance		UL94	HB*	HB*
*Omni Internal Testing				
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.