



OmniPro™ TPO MF17 SCR HSV

Mineral Reinforced, Improved Scratch & Mar Resistance, Heat & UV Stabilized, Thermoplastic Polyolefin

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	14	14
Specific Gravity		D792	1.02	1.02
Filler/Reinforcement	%	D2584	17	17
Hardness, Shore D		D2240	60	60

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	2.8	149

MECHANICAL

Tensile Strength				
At Yield, 73 °F	psi (MPa)	D638	3,000	21
Flexural Modulus	psi (MPa)	D790	240,000	1,655
Flexural Strength	psi (MPa)	D790	2,800	19

THERMAL

Deflection Temperature				
1/8" bar, 66 psi	°F (°C)	D648	160	71

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.