



OmniTech™
FRABS
 Flame Resistant ABS

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	8	8
Specific Gravity		D792	1.19	1.19
Mold Shrinkage, Isotropic	in/in	D955	.003 to .006	

IMPACT

Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	3	160
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MECHANICAL

Tensile Strength At Yield, 73°F	psi (MPa)	D638	6,500	45
Tensile Elongation	%	D638	15	15
Flexural Modulus	psi (MPa)	D790	370,000	2,551
Flexural Strength	psi (MPa)	D790	10,800	74

THERMAL

Deflection Temperature 1/8" bar, 264 psi	°F (°C)	D648	165	74
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FLAMMABILITY

UL File Number E138590

Flame Resistance All Colors	.118" (3.0mm)	UL94	V-0/5VA	V-0/5VA
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RECOMMENDED PROCESSING CONDITIONS

Drying Temperature	180° F
Drying Time	4 hrs. max.
Maximum Moisture	0.02%
Rear Zone(s)	350 to 400° F
Middle Zone(s)	360 to 420° F
Front Zone(s)	360 to 440° F
Nozzle	380 to 440° F
Mold Temperature	80 to 140° F
Melt Temperature	380 to 450° 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.