



GRADE: RE-PCABS-FR1112

Molding Grade PCABSFR, RoHS Compliant, All Colors
Including 35% Pre-consumer Validated Recycled Content Materials

Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.20	D792
Melt Flow (260°C/2.16kg)	10.0 g/10 min	D1238
Mechanical		
Tensile Modulus	415,000 psi	D638
Tensile Strength @ Yield	9,000 psi	D638
Flexural Modulus	380,000 psi	D790
Flexural Strength @ Yield	14,000 psi	D790
Impact		
Notched Izod Impact (73°F, 0.125 in)	10.0 ft-lb/in	D256
Thermal		
DTUL @ 264 psi – Unannealed (0.125 in)	191°F	D256
Mold Shrinkage		
Linear Flow	.004 – .007 in/in	D955
UL Rating	V0 (1.5mm, 3mm), 5VA (3mm)	UL 94

Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	3.0 – 4.0 hrs at 180 – 220°F
Suggested Max Moisture	0.020%
Rear Temperature	450 – 500°F
Middle Temperature	450 – 500°F
Front Temperature	450 – 500°F
Nozzle Temperature	450 – 500°F
Processing (Melt) Temperature	450 – 500°F
Mold Temperature	135 – 185°F
Back Pressure	25 – 100 psi
Screw Speed	25 – 75 RPM