

Grade: reNova® re-PC10R-FR3600

PFAS Free, Halogen Compliant* Molding Grade PCFR w/UV & Release, All Colors Including 25-50% Post-Industrial Recycled Content Materials

Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.20 g/cm ³	D792
Melt Flow (300°C/1.2 kg)	9.0 g/10 min	D1238
Mechanical		
Tensile Modulus	350,000 psi	D638
Tensile Strength @ Yield	8,700 psi	D638
Flexural Modulus	335,000 psi	D790
Flexural Strength @ Yield	13,000 psi	D790
Impact		
Notched Izod Impact (73 °F, 0.125 in)	14.0 ft-lb/in	D256
Thermal		
DTUL @ 264 psi-unannealed	265 °F	D648
Mold Shrinkage		
Linear Flow	.005 - .007 in/in	D955
UL Rating		
Flammability RTI	V-0 @ 1.5mm, V-0 @ 3.0mm 80°C, 80C, 80°C	UL 94 UL746B

The information provided above is based upon typical values, and is intended only as guides. Star Plastics, assumes no obligation or liability for any advice furnished or for any results obtained with respect to this information. *No guarantees or warranties are expressed or implied.*

*Halogen Compliant- per UL 746H & IEC61249-2-21 Contains <900ppm each of Bromine, Chlorine & <1500ppm total Halogen

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Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	4.0 hrs. at 250°C
Suggested Max Moisture	0.020%
Rear Temperature	520 – 550 °F
Middle Temperature	530 – 570 °F
Front Temperature	550 – 600 °F
Nozzle Temperature	550 – 600 °F
Processing (Melt) Temperature	550 – 610 °F
Mold Temperature	70 – 105 °F
Back Pressure	50-100 psi
Screw Speed	40 – 75 RPM

The conditions listed above are only guidelines. You may want to adjust conditions to meet your requirements.