

ColorFast® PCT1010GF
Americhem - Polycarbonate + PET
General Information
Product Description

PRELIMINARY GR reinforced PC/PET alloy with outstanding chemical resistance

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Features	• Excellent Colorability	• Good Dimensional Stability	• High Strength
	• Filled	• High Stiffness	
Uses	• Automotive Applications	• Engineering Parts	• Industrial Applications
	• Closures	• Household Goods	• Industrial Parts
	• Consumer Applications	• Housings	• Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/3.8 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	370000	psi	ASTM D638
Tensile Strength ² (Yield)	8500	psi	ASTM D638
Tensile Elongation ² (Yield)	4.0	%	ASTM D638
Tensile Elongation ² (Break)	16	%	ASTM D638
Flexural Modulus ²	290000	psi	ASTM D790
Flexural Strength ²	1300	psi	ASTM D790

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	440 to 490	°F
Middle Temperature	450 to 500	°F
Front Temperature	450 to 510	°F
Nozzle Temperature	460 to 530	°F
Processing (Melt) Temp	470 to 530	°F

