

ColorFast® PCT2010UV
Americhem - Polycarbonate + PBT
General Information
Product Description

PCT2010UV is a medium flow injection molding grade of UV-stabilized PC/PBT alloy with excellent impact and chemical resistance. It is suitable for a wide range of applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• UV Stabilizer		
Features	• Excellent Colorability	• UV Stabilized	
Uses	• Automotive Applications	• Household Goods	• Office Automation Equipment
	• Closures	• Housings	• Outdoor Applications
	• Consumer Applications	• Industrial Applications	
	• Engineering Parts	• Industrial Parts	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/3.8 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	8.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	8400	psi	ASTM D638
Tensile Strength ² (Break)	7000	psi	ASTM D638
Tensile Elongation ² (Break)	180	%	ASTM D638
Flexural Modulus ²	320000	psi	ASTM D790
Flexural Strength ²	13000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	16	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	200	°F
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Suggested Shot Size	40 to 80	%
Rear Temperature	470 to 510	°F
Middle Temperature	480 to 520	°F
Front Temperature	490 to 530	°F
Nozzle Temperature	490 to 500	°F
Processing (Melt) Temp	500 to 530	°F
Mold Temperature	150 to 190	°F
Back Pressure	50.0 to 100	psi
Screw Speed	50 to 80	rpm
Vent Depth	5.0E-4 to 8.0E-4	in

