

Makropol® PC B3 HF UV FR CLRA015 PC312

Polycarbonate

Petropol Industry and Trade of Polymers LTDA

Message:

Polycarbonate crystal flame retardant (V-0) for injection molding with excellent thermal and mechanical properties, with UV protection.

General Information			
Additive	Flame Retardant		
	UV Stabilizer		
Features	Flame Retardant		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PC<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	12 to 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (Equilibrium)	0.16	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	89.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	265 to 290	°C	
Mold Temperature	70.0 to 110	°C	

NOTE

1. Rate A (50°C/h)

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Recommended distributors for this material

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