

Makropol® PC A3 HF UV VRD0278 PC303

Polycarbonate

Petropol Industry and Trade of Polymers LTDA

Message:

Polycarbonate in green color for injection molding with excellent thermal and mechanical properties, with UV protection.

General Information			
Additive	UV Stabilizer		
Appearance	Green		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PC<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	17 to 20	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	75.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus ¹	2300	MPa	ASTM D790
Flexural Strength ²	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	700	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 ³
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-2		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 295	°C	
Mold Temperature	70.0 to 110	°C	
NOTE			
1.	2.0 mm/min		

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|----|-----------------|
| 2. | 2.0 mm/min |
| 3. | Rate A (50°C/h) |

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