

Makropol® PC A3 G30 HUV NTL0001 PC308

Polycarbonate

Petropol Industry and Trade of Polymers LTDA

Message:

Makropol® PC A3 G30 HUV NTL0001 PC308 is a Polycarbonate (PC) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Makropol® PC A3 G30 HUV NTL0001 PC308 are:

Flame Rated

Good Dimensional Stability

Good UV Resistance

High Stiffness

UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Dimensional Stability		
	Good UV Resistance		
	High Stiffness		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648
Continuous Use Temperature	120	°C	
Vicat Softening Temperature	160	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	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 290	°C
Mold Temperature	70.0 to 110	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

