

Makropol® PC A3 HF UV BRCA008 PC307

Polycarbonate

Petropol Industry and Trade of Polymers LTDA

Message:

Makropol® PC A3 HF UV BRCA008 PC307 is a Polycarbonate (PC) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Makropol® PC A3 HF UV BRCA008 PC307 are:

Flame Rated

Good Mold Release

Good UV Resistance

UV Stabilized

Typical applications include:

Automotive

Optics/Lenses

General Information			
Additive	UV Stabilizer		
Features	Good Flow		
	Good Mold Release		
	Good UV Resistance		
Uses	Automotive Applications		
	Lenses		
Processing Method	Injection Molding		
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)	12 to 20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	65.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	125	°C	ASTM D648
Vicat Softening Temperature	145	°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-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	270 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

