

## Diamond Polymers ASA/PC 7030

Category : Polymer , Thermoplastic , ASA Polymer , Polycarbonate (PC) , Polycarbonate/ASA Alloy, Unreinforced

**Material Notes:**

Description: ASA/Polycarbonate Alloy Information provided by Diamond Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-ASAPC-7030.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-ASAPC-7030.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	16 g/10 min @Load 10.0 kg, Temperature 220 °C	16 g/10 min @Load 22.0 lb, Temperature 428 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	56.80 MPa	8238 psi	chs 2 in/min; ASTM D638
Flexural Modulus	2.47 GPa	358 ksi	Procedure B, Test Method I(chs 0.05 in/min); ASTM D790
Izod Impact, Notched	4.70 J/cm	8.80 ft-lb/in	Test Method A (0.125 in bar); ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	109 °C	228 °F	0.125 in bar Unannealed/Conditioned 48 hours at 23°C; ASTM D648
Vicat Softening Point	139 °C	282 °F	0.125 inch, 1 Kg; ASTM D1525
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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