

Engineered Plastics EP Alloy 510B PC/ABS Alloy

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

Material Notes:

Gray. Stiff tough and excellent color stability. Used in housings for computers, printers, copiers and for auto parts such as air ducts and instrument panels. GMP # 002; Ford # WSS585. Property values below represent typical values; black, gray, ext/inj grades and FR/non FR grades are available and can be tailored to meet specific requirements. Information provided by Engineered Plastics Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Engineered-Plastics-EP-Alloy-510B-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Melt Flow	5.5 g/10 min	5.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	56.0 MPa	8120 psi	ASTM D638
Elongation at Break	125 %	125 %	ASTM D638
Flexural Modulus	2.31 GPa	335 ksi	ASTM D790
Izod Impact, Notched	5.90 J/cm	11.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	Annealed; ASTM Data
	113 °C	235 °F	Unannealed; ASTM Data
Vicat Softening Point	113 °C	235 °F	ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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