

ABW Polymers PC/PET Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Typical property data below. Material may be tailored to meet specific requirements. This data should be used only as a guide and no assurance can be granted by the company that all molded articles will exhibit duplicate properties as those listed. Information provided by ABW Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ABW-Polymers-PCPET-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ASTM D792
Melt Flow	19.1 g/10 min	19.1 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 265 °C	@Load 11.0 lb, Temperature 509 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.1 MPa	9010 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Flexural Modulus	2.63 GPa	381 ksi	ASTM D790
Izod Impact, Notched	6.90 J/cm	12.9 ft-lb/in	ASTM D256
	4.30 J/cm @Temperature -40.0 °C	8.06 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	255 °C	491 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	222 °C	432 °F	ASTM D648
Flammability, UL94	V-2	V-2	Pending

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