

Aaron Industries AAROPRENE® GFPC 5010 Glass Filled Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

AAROPRENE® GFPC 5000 Series Reinforced Compounds Melt flow index may be specified. Color may be specified.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aaron-Industries-AAROPRENE-GFPC-5010-Glass-Filled-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Filler Content	10 %	10 %	Glass; ASTM D2584
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D955
Melt Flow	12 - 20 g/10 min @Load 2.16 kg, Temperature 230 °C	12 - 20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	66.2 MPa	9600 psi	ASTM D638
Flexural Modulus	3.86 GPa	560 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 °C	280 °F	ASTM D648

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