

Polyplastics Duracon® GH-20 Acetal Co-polymer (POM), GF 20% reinforced, High strength, High rigidity

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 20% Glass Fiber Reinforced

Material Notes:

DURACON® is a crystalline thermoplastic acetal copolymer. The primary raw material trioxane, a trimer of formaldehyde. The thermoplastic adopts a copolymer structure in which polyoxymethylene (-C-O) and carbon-carbon (-C-C- bond) comonomer groups are incorporated into its main chain. Therefore the copolymer has superior chemical and thermal stability, compared with acetal homopolymer. Acetal co-polymer is well-balanced in terms of mechanical, chemical and thermal properties, and its superior moldability allows it to be widely employed in various industrial fields. Information provided by PolyPlastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastics-Duracon-GH-20-Acetal-Co-polymer-POM-GF-20-reinforced-High-strength-High-rigidity.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ISO 1183
Filler Content	20 %	20 %	Glass fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	100 MPa	14500 psi	ISO 527-1, 2
Elongation at Break	2.0 %	2.0 %	ISO 527-1, 2
Flexural Strength	135 MPa	19600 psi	ISO 178
Flexural Modulus	6.00 GPa	870 ksi	ISO 178
Charpy Impact, Notched	0.520 J/cm ²	2.47 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	158 °C	316 °F	ISO 75-1, 2
Flammability, UL94	HB	HB	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China