

3M Dyneon™ CC607 PTFE 35% Fiberglass Filled (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

Product Form: White, pelletized free-flowing powder. Applications include bearings, valve seats, seals.Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-CC607-PTFE-35-Fiberglass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.23 g/cc	0.0806 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	value after 15 sec; ASTM D2240
	63	63	initial value; ASTM D2240
Tensile Strength, Ultimate	13.1 MPa	1900 psi	ASTM D4745
Elongation at Break	180 %	180 %	ASTM D4894
Flexural Yield Strength	<= 18.0 MPa	<= 2610 psi	ASTM D790
Compressive Yield Strength	7.80 MPa	1130 psi	ASTM D695
Compressive Modulus	0.430 GPa	62.4 ksi	ASTM D695
Coefficient of Friction, Dynamic	0.36	0.36	ASTM D3702
Coefficient of Friction, Static	0.27	0.27	ASTM D3702
K (wear) Factor	142 x 10 ⁻⁸ mm ³ /N-M	70.6 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	at 5000 psi - fpm PV; ASTM D3702

Thermal Properties	Metric	English	Comments
CTE, linear	162 μm/m-°C	90.0 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

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