

3M Dyneon™ CC604 PTFE, 20% 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-CC604-PTFE-20-Fiberglass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.22 g/cc	0.0802 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	value after 15 sec; ASTM D2240
	64	64	initial value; ASTM D2240
Tensile Strength, Ultimate	19.3 MPa	2800 psi	ASTM D4745
Elongation at Break	250 %	250 %	ASTM D4894
Flexural Yield Strength	<= 23.0 MPa	<= 3340 psi	ASTM D790
Compressive Yield Strength	7.20 MPa	1040 psi	ASTM D695
Compressive Modulus	0.440 GPa	63.8 ksi	ASTM D695
Coefficient of Friction, Dynamic	0.31	0.31	ASTM D3702
Coefficient of Friction, Static	0.24	0.24	ASTM D3702
K (wear) Factor	79.2 x 10 ⁻⁸ mm ³ /N-M	39.3 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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