

3M Dyneon™ CC174-N PTFE, 15% Fiberglass/Moly Filled (discontinued **)

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

Material Notes:

Product Form: Gray, non-pelletized powder. Applications include bearings, rider rings, and packings. Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-CC174-N-PTFE-15-FiberglassMoly-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.520 g/cc	0.0188 lb/in ³	ASTM D4894
Density	2.27 g/cc	0.0820 lb/in ³	ASTM D792
Particle Size	25 µm	25 µm	ASTM D4894
Deformation	3.0 %	3.0 %	ASTM D621
	@Pressure 15.00 MPa	@Pressure 2175 psi	
	5.0 %	5.0 %	ASTM D621
	@Time 86400 sec, Pressure 15.00 MPa	@Time 24.0 hour, Pressure 2175 psi	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	value after 15 sec; ASTM D2240
	67	67	initial value; ASTM D2240
Tensile Strength at Break	23.4 MPa	3390 psi	ASTM D4894
Elongation at Break	240 %	240 %	ASTM D4894
Tensile Modulus	0.152 GPa	22.0 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear	101 µm/m-°C	56.0 µin/in-°F	ASTM E831
	@Temperature 30.0 - 100 °C	@Temperature 86.0 - 212 °F	
	137 µm/m-°C	76.0 µin/in-°F	ASTM E831
	@Temperature 100 - 200 °C	@Temperature 212 - 392 °F	
	171 µm/m-°C	95.0 µin/in-°F	ASTM E831
	@Temperature 200 - 300 °C	@Temperature 392 - 572 °F	

Thermal Properties	0.270 W/m-K Metric	1.87 BTU-in/hr-ft ² -°F English	Comments
	@Temperature 250 °C	@Temperature 482 °F	
	0.280 W/m-K	1.94 BTU-in/hr-ft ² -°F	ASTM E1530
	@Temperature 100 °C	@Temperature 212 °F	
Shrinkage	1.9 %	1.9 %	ASTM D4894

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