

3M Dyneon™ CC622 PTFE 10% Graphite Filled (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Product Form: Black, pelletized free-flowing powder. Applications include bearings, ring seals. Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-CC622-PTFE-10-Graphite-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.650 g/cc	0.0235 lb/in ³	ASTM D4894
Density	2.14 g/cc	0.0773 lb/in ³	ASTM D4894
Particle Size	750 µm	750 µm	ASTM D4894
Deformation	3.0 %	3.0 %	ASTM D621
	@Pressure 15.00 MPa	@Pressure 2175 psi	
	6.0 %	6.0 %	ASTM D621
	@Time 86400 sec, Pressure 15.00 MPa	@Time 24.0 hour, Pressure 2175 psi	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	value after 15 sec; ASTM D2240
	62	62	initial value; ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	ASTM D4894
Elongation at Break	220 %	220 %	ASTM D4894
Tensile Modulus	0.131 GPa	19.0 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 µm/m-°C	10.0 µin/in-°F	ASTM E831
	@Temperature 200 - 300 °C	@Temperature 392 - 572 °F	
	61.0 µm/m-°C	33.9 µin/in-°F	ASTM E831
	@Temperature 30.0 - 100 °C	@Temperature 86.0 - 212 °F	
	146 µm/m-°C	81.0 µin/in-°F	ASTM E831
	@Temperature 100 - 200 °C	@Temperature 212 - 392 °F	

Thermal Properties	0.390 W/m-K Metric	2.71 BTU-in/hr-ft ² -°F English	Comments
	@Temperature 100 °C	@Temperature 212 °F	
	0.390 W/m-K	2.71 BTU-in/hr-ft ² -°F	ASTM E1530
	@Temperature 250 °C	@Temperature 482 °F	
Shrinkage	2.3 %	2.3 %	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