

3M Dyneon™ CCX6380 PTFE, 10% Polyimide Filler (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Type II, free flowing. Typical Applications: Finished or semi-finished parts: sheets, rods, tubes, billets for skiving of films or machining into complex shapes. Information provided by the Dyneon division of 3M.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-CCX6380-PTFE-10-Polyimide-Filler-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.00 g/cc	2.00 g/cc	ASTM D4894
Bulk Density	0.580 g/cc	0.0210 lb/in ³	ASTM D4894
Particle Size	750 µm	750 µm	ASTM D4894
Deformation	3.0 %	3.0 %	permanent; 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	59	59	Initial; ASTM D2240
	53	53	
	@Time 15.0 sec	@Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	ASTM D4894
Elongation at Break	270 %	270 %	ASTM D4894
Tensile Modulus	0.0965 GPa	14.0 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear	108 µm/m-°C	60.0 µin/in-°F	ASTM E831
	@Temperature 30.0 - 100 °C	@Temperature 86.0 - 212 °F	
	139 µm/m-°C	77.0 µin/in-°F	ASTM E831
	@Temperature 100 - 200 °C	@Temperature 212 - 392 °F	
	173 µm/m-°C	96.0 µin/in-°F	ASTM E831

Thermal Properties	@Temperature 200 - 300 °C Metric	@Temperature 392 - 572 °F English	Comments
Thermal Conductivity	0.200 W/m-K	1.39 BTU-in/hr-ft ² -°F	ASTM E1530
	@Temperature 100 °C	@Temperature 212 °F	
	0.220 W/m-K	1.53 BTU-in/hr-ft ² -°F	ASTM E1530
	@Temperature 250 °C	@Temperature 482 °F	
Shrinkage	2.4 %	2.4 %	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