

## 3M Dyneon™ CCX1029 PTFE, 10% Carbon Fiber Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Carbon Fiber Filled

### Material Notes:

Type I, non-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-CCX1029-PTFE-10-Carbon-Fiber-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_3M-Dyneon-CCX1029-PTFE-10-Carbon-Fiber-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.08 g/cc	2.08 g/cc	ASTM D4894
Bulk Density	0.475 g/cc	0.0172 lb/in <sup>3</sup>	ASTM D4894
Particle Size	25 µm	25 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	66	66	Initial; ASTM D2240
	60	60	
	@Time 15.0 sec	@Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	27.6 MPa	4000 psi	ASTM D4894
Elongation at Break	280 %	280 %	ASTM D4894
Tensile Modulus	0.121 GPa	17.5 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear	124 µm/m-°C	69.0 µin/in-°F	ASTM E831
	@Temperature 30.0 - 100 °C	@Temperature 86.0 - 212 °F	
	176 µm/m-°C	98.0 µin/in-°F	ASTM E831
	@Temperature 100 - 200 °C	@Temperature 212 - 392 °F	
	223 µm/m-°C	124 µin/in-°F	ASTM E831

Thermal Properties	@Temperature 200 - Metric 300 °C	@Temperature 392 - English 572 °F	Comments
Thermal Conductivity	0.290 W/m-K	2.01 BTU-in/hr-ft <sup>2</sup> -°F	ASTM E1530
	@Temperature 100 °C	@Temperature 212 °F	
	0.310 W/m-K	2.15 BTU-in/hr-ft <sup>2</sup> -°F	ASTM E1530
	@Temperature 250 °C	@Temperature 482 °F	
Shrinkage	1.4 %	1.4 %	ASTM D4894

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China