

3M Dyneon™ CC085 Custom Fluoropolymer Compound (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , Polyphenylsulfone (PPSU)

Material Notes:

This compound consists of a mixture of PPS and other proprietary fillers blended with PTFE. Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-CC085-Custom-Fluoropolymer-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 g/cc	1.95 g/cc	ASTM D4894
Bulk Density	0.375 g/cc	0.0135 lb/in ³	ASTM D4894
Particle Size	25 µm	25 µm	ASTM D4894
Deformation	1.0 %	1.0 %	ASTM D621
	@Pressure 15.00 MPa	@Pressure 2175 psi	
	2.0 %	2.0 %	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
	61	61	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	11.0 MPa	1600 psi	ASTM D4894
Elongation at Break	150 %	150 %	ASTM D4894
Tensile Modulus	0.0689 GPa	10.0 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear	95.4 µm/m-°C	53.0 µin/in-°F	ASTM E831
	@Temperature 30.0 - 100 °C	@Temperature 86.0 - 212 °F	
	140 µm/m-°C	78.0 µin/in-°F	ASTM E831
	@Temperature 100 - 200 °C	@Temperature 212 - 392 °F	
	166 µm/m-°C	92.0 µin/in-°F	ASTM E831

Thermal Properties	Metric @Temperature 200 - 300 °C	English @Temperature 392 - 572 °F	Comments
Thermal Conductivity	0.360 W/m-K	2.50 BTU-in/hr-ft²-°F	ASTM E1530
	@Temperature 100 °C	@Temperature 212 °F	
	0.390 W/m-K	2.71 BTU-in/hr-ft²-°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