

3M Dyneon™ CC191-HE PTFE, 25% Carbon/Graphite Filled (discontinued **)

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

Material Notes:

Product Form: Black, non-pelletized powder. Applications include bearings, bushings. Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-CC191-HE-PTFE-25-CarbonGraphite-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.04 g/cc	0.0737 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	value after 15 sec; ASTM D2240
	68	68	initial value; ASTM D2240
Tensile Strength, Ultimate	13.1 MPa	1900 psi	ASTM D4745
Elongation at Break	120 %	120 %	ASTM D4894
Flexural Yield Strength	<= 29.0 MPa	<= 4210 psi	ASTM D790
Compressive Yield Strength	10.5 MPa	1520 psi	ASTM D695
Compressive Modulus	0.600 GPa	87.0 ksi	ASTM D695
Coefficient of Friction, Dynamic	0.24	0.24	ASTM D3702
Coefficient of Friction, Static	0.20	0.20	ASTM D3702
K (wear) Factor	15.1 x 10 ⁻⁸ mm ³ /N-M	7.50 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	at 5000 psi - fpm PV; ASTM D3702

Thermal Properties	Metric	English	Comments
CTE, linear	144 μm/m-°C	80.0 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

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