

3M Dyneon™ 1502 PTFE Powder (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Molded

Material Notes:

Type VI PTFE. The unique properties of polytetrafluoroethylene (PTFE) makes it an indispensable material for modern industry. PTFE offers the following exceptional characteristics: Inert to a wide range of aggressive chemical agents Ultra-low friction coefficient Continuous service temperature range from cryogenic -330°F to 500°F Extremely resistant to embrittlement, aging or weathering PTFE has rapidly become the material choice where low friction, high durability, excellent thermal resistance and chemical inertness characteristics are required. Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-1502-PTFE-Powder-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.16 g/cc	0.0780 lb/in ³	Sintered moldings; ASTM D4894/D4895
Apparent Bulk Density	0.720 g/cc	0.0260 lb/in ³	DIN 53 466

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	Sintered molding, DIN 53 505
Tensile Strength, Ultimate	30.0 MPa @Thickness 2.00 mm	4350 psi @Thickness 0.0787 in	Sintered moldings; ASTM D4894/4895
Elongation at Break	450 %	450 %	Sintered Molding; ASTM D4894
Tensile Modulus	0.600 GPa	87.0 ksi	Sintered Molding, DIN 53457

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 μm/m-°C @Temperature 30.0 - 100 °C	66.7 μin/in-°F @Temperature 86.0 - 212 °F	
	140 μm/m-°C @Temperature 30.0 - 200 °C	77.8 μin/in-°F @Temperature 86.0 - 392 °F	
	170 μm/m-°C @Temperature 30.0 - 300 °C	94.4 μin/in-°F @Temperature 86.0 - 572 °F	
Thermal Conductivity	0.350 W/m-K	2.43 BTU-in/hr-ft ² -°F	DIN 52 612
Maximum Service Temperature, Air	260 °C	500 °F	Continuous Service Temp

Minimum Service Temperature, Air Thermal Properties	-200 °C Metric	-328 °F English	Continuous Service Temp Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+17 ohm	1.00e+17 ohm	IEC 60093

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