

**3M Dyneon™ CC144/S PTFE, 40% Bronze Filled (discontinued \*\*)**

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

**Material Notes:**

Product Form: Brown, non-pelletized powder. Applications include bearings, rider rings, and piston rings. Data provided by Dyneon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Dyneon-CC144S-PTFE-40-Bronze-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_3M-Dyneon-CC144S-PTFE-40-Bronze-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	3.13 g/cc	0.113 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	value after 15 sec; ASTM D2240
	67	67	initial value; ASTM D2240
Tensile Strength, Ultimate	22.8 MPa	3310 psi	ASTM D4745
Elongation at Break	250 %	250 %	ASTM D4894
Flexural Yield Strength	<= 35.0 MPa	<= 5080 psi	ASTM D790
Compressive Yield Strength	10.1 MPa	1460 psi	ASTM D695
Compressive Modulus	0.460 GPa	66.7 ksi	ASTM D695
Coefficient of Friction, Dynamic	0.23	0.23	ASTM D3702
Coefficient of Friction, Static	0.21	0.21	ASTM D3702
K (wear) Factor	32.0 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	15.9 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	at 5000 psi - fpm PV; ASTM D3702

Thermal Properties	Metric	English	Comments
CTE, linear	180 μm/m-°C	100 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

**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

