

Material Data Sheet

DF-B55M05

General	
55% Bronze 5% MoS2 Filled PTFE	
<ul style="list-style-type: none"> * Improved thermal dimensional stability * Improved deformation under load * Reduced cold flow * Improved compression strength * Exceptional temperature resistance 	<ul style="list-style-type: none"> * High thermal conductivity * Good chemical stability * Reduced friction & wear; Low friction behavior * Improved surface hardness * High resistance to abrasion

Typical Physical properties			
Color	-	-	Dark grey
Density(Specific Gravity)	ASTM D-792	g/cm3 (gm / cc)	3.80 - 4.00
Water Absorption(Max.)	ASTM D-570	%	<0.01
Flammability		-	V-0
Tensile Strength	ASTM D-4894	mpa	≥14
Elongation of Break	ASTM D-638	%	≥70
Hardness	ASTM D-2240	Shore D	62 - 67
Ball hardness		mpa	38
Service temperature (long term)	ASTM D-648	°C	-180 to + 260
Surface Resistivity	ASTM D-258	ohm	>10 ¹⁰
Volume Resistivity	ASTM D-257	ohm cm	>10 ⁷

NOTE:

- *The data stated above are typical values intended for reference and comparison purposes only.
- *The data should not be used as a basis for design specifications or quality control.
- *The information is provided as a guide to the best of our knowledge and given without obligation or liability.
- *Testing under individual application circumstances is recommended.