

FLUOROLON PEEK 3015 BG

PEEK 3015 BG Carbon/PTFE/Graphite is a high performance, high temperature polymer. It is an excellent material for a wide variety bearing applications offering high load, low coefficient of friction for high temperature bearing applications

APPLICATIONS:

PEEK 3015 BG Carbon/PTFE/Graphite is designed for higher load bearing applications with medium to higher FPM.

Property	Specified	Units	Method
Tensile Strength	20,445	psi	ASTM D638
Elongation	2.5	%	ASTM D638
Tensile Modulus	-	psi	ASTM D638
Compressive Strength	21,750	psi	ASTM D695
Flexural Strength	30,450	psi	ASMT D790
Flexural Modulus	1,174,500	psi	ASTM D790
Notched Impact	1.16	ft/lb/in	ASTM D256
Hardness	90	Shore D	ASTM D785
Coefficient of Friction	.19	-	dry v steel
Service Temperature	500	(F)	-
Thermal Expansion	1.2 x 10` 5th	um/m/c	ASTM D696
Wear Factor	-	k	K (in3/min/ft/lb/hr)
Specific Gravity	1.44	g/cm3	ASTM D792
Water Absorption	.06	24hours-%	ASTM D570
Dielectric	190	kv/cm	ASTM D149
Flammability	self-ext	-	ASTM D639
Resistance to oils, fuels, solvents	excellent	-	-

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This information corresponds to our current information on the subject. It is offered solely to provide suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in actual end-use conditions, Advanced EMC Technologies makes no warranties and assumes no liability in connection with any use of this information.