

PRODUCT

fluteck[®] K308

(Compression moulded Graphite/PTFE reinforced Polyetheretherketone)

	Property	Method	Units	Specification
Physical	Specific gravity	ASTM D 792	g/cm ³	1.28-1.35
	Water absorption, 24 hours	ASTM D 570	%	0,50
	Mold shrinkage, along flow	ASTM D 955	%	0,0-0,4
Mechanical	Elongation at break	ASTM D 638	%	≥3,5
	Tensile strength, Break at 23°C	ASTM D 638	MPa	≥ 80
	Tensile modulus	ASTM D 638	GPa	≥ 6
	Izod impact strength	ASTM D 256	J/m	n/b
	Hardness Shore	ASTM D 2240	Shore D	≥ 85
	Compressive Strength, 23°C	ASTM D 695	MPa	≥ 25
	Coefficient of dynamic friction, (rectified steel) P=0.05 N/mm ² V=0.6m/sec T=23°C	ASTM D 3702	-	0.20-0.25
Thermal	Peak melting temperature	ASTM D3418	°C	343-345
	Maximum service temperature	Internal test	°C	300
	Service Temperature, Air	Internal test	°C	-50/+250
	Oxygen Index, LOI	ASTM D2863	%	>30-32
	Flammability	UL94	-	V-0



fluteck® K308 – (Compression molding graphite/PTFE reinforced PEEK)

General features:

- Superior heat resistance and high temperature performance
- Outstanding Chemical Resistance
- Low Coefficient of Friction
- High Stiffness
- Excellent Wear and Abrasion Resistance
- Resistance to High Pressure Steam
- Flame Retardant
- Low smoke and toxic gas emission

Note: The information contained in this technical data sheet are based on our experience to date and we believe it to be reliable. It is intended only as a guide for use at your own discretion. We can not guarantee favourable results and assume no liability in connection with its use or the use of the products described. None of this information is to be taken as a licence to operate under, or a recommendations to infringe any existing patents. Prior to any application the above product has to be tested and accepted by the processor.

In order to complete this data sheet, you can require us a DSC / TGA analysis and a microscope picture on our website <http://www.fluteck.com>

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® = registered trademark



Company Quality System UNI EN ISO 9001:2008 cert. CISQ/IIP N°061 first issue 1994

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