



POLYMER INDUSTRIES

MECHETEC PEEK Lf20 PTFE Filled PEEK Typical Properties

Property	Test Method	Unit	Nominal Value*
Mechanical			
Specific Gravity	ASTM D792	---	1.42
Tensile Strength	ASTM D638	psi	11,500
Tensile Elong. @ Break	ASTM D638	%	15
Tensile Modulus	ASTM D638	psi	460,000
Flexural Strength	ASTM D790	psi	20,000
Flexural Modulus	ASTM D790	psi	500,000
Izod Impact (notched)	ASTM D256	ft.-lb./in.	0.8
Rockwell Hardness	ASTM D785	D Scale	84
Thermal			
Glass Transition (Tg)	ASTM D3418	°F	290
HDT @ 264 psi	ASTM D648	°F	340
Melting Point	DS C	°F	650
Flammability	UL 94	@3.0m m	V-0
Miscellaneous			
Kinetic Coef. of Friction	ASTM D1894	-	0.1
Static Coef. Of Friction	ASTM D1894	-	0.1
Color	--	--	Gray/Beige

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