

POLYETHERETHERKETONE MOLDING COMPOUNDS TYPICAL PROPERTIES

Properties	Test Method	Units	PK 150G	PK 450	PK 450G30	PK 150G30
Physical						
Specific Gravity	ISO1183	----	1.26	1.26	1.51	1.52
Water Absorption (24 hr)	ISO62	----	0.40	0.40	0.12	0.3
Mechanical						
Tensile Strength	ISO527-2	psi	16,000	14,500	26,800	29,000
Flexural Strength	ISO178	psi	18,900	18,100	24,500	----
Flexural Modulus	ISO178	psi	624,000	595,000	1,620,000	1,670,000
Izod Impact Strength	ISO180	ft. lb./in.				
Notched (73°F)	ISO180		2.4	3.6	5.7	5.0
Unnotched (73°F)			NB	NB	31	29
Shore Hardness	ISO868	----	85D (73°F)	85D	88D	87D
Thermal						
Heat Deflection Temp.		°C				
66 psi						
264 psi	ISO 75-2/A		313	306	343	335
Coefficient of Linear Thermal Expansion	ISO11359-2	in./in./°F X 10 ⁻⁵	2.8	2.5	1.0	1.1
Electrical						
Dialectric Strength (S/T)	IEC602431 0.0787 in.	volts/mil	580	580	640	----
Miscellaneous						
Flammability	IEC60695-2-12	°F	1760	1760	1760	1760
Mold Shrinkage (1/8")	ISO0294-4	%	1.3	1.3	0.90	0.90

Suggested processing parameters are available upon request. Seller is not responsible or liable for any loss or damage resulting from product use, and no warranty is stated or implied.



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