

PEEK[®]

450GL30

표준점도, 사출성형용 유리섬유 30% 강화 Grade

Item	Unit	Testing Method	450GL30	
Density	g/cm ³	ISO 1183	1.49	
Water absorption (23°C, 24hrs)	%	ISO 62	0.11	
Mold Shrinkage (80×80×2mmt)	Flow direction	%	0.2	
	Transverse direction	%	1.1	
Tensile Stress at yield	MPa	ISO 527	156	
Tensile Strain at break	%	ISO 527	2.7	
Flexural strength	MPa	ISO 178	250	
Flexural modulus	GPa	ISO 178	10	
Izod notched impact strength	KJ/m ²	ISO 180	10	
Temperature of deflection under load (1.8MPa)	°C	ISO 75	315	
Coefficient of linear thermal expansion	< Tg	×10 ⁻⁵ /°C	ASTM D696	2.2
	> Tg	×10 ⁻⁵ /°C	ASTM D696	-
Flammability (1.45mmt)	—	UL94	-	
Dielectric constant	(50Hz, 0-150°C)	IEC 60250	-	
	(50Hz, 200°C)	IEC 60250	-	
Dielectric loss tangent	(23°C, 1MHz)	IEC 60250	-	
Electric strength (50 μm film)	kV/mm	IEC 60243	-	
Volume resistivity	Ohm-cm	IEC 60093	-	
Surface resistivity	Ohm	IEC 60093	-	
Tracking resistance	V	IEC 60112	-	

• All figures in the table are the typical values of the material and not the minimum values of the material specifications.

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