

PEEK[®]

150GL30

고유동, 사출성형용 유리섬유 30% 강화 Grade

Item	Unit	Testing Method	150GL30
Density	g/cm ³	ISO 1183	1.49
Water absorption (23°C, 24hrs)	%	ISO 62	0.11
Mold Shrinkage (80×80×2mmt)	Flow direction	%	—
	Transverse direction	%	—
Tensile Stress at yield	MPa	ISO 527	178
Tensile Strain at break	%	ISO 527	—
Flexural strength	MPa	ISO 178	—
Flexural modulus	GPa	ISO 178	9.7
Izod notched impact strength	KJ/m ²	ISO 180	9.1
Temperature of deflection under load (1.8MPa)	°C	ISO 75	>300
Coefficient of linear thermal expansion	< T _g	×10 ⁻⁵ /°C	ASTM D696
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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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