

**PEEK<sup>®</sup>**

**150FC30**

고유동, 사출성형용 탄소섬유,PTFE,흑연 30% 강화 Grade

Item	Unit	Testing Method	150FC30	
Density	g/cm <sup>3</sup>	ISO 1183	1.48	
Water absorption (23°C, 24hrs)	%	ISO 62	-	
Mold Shrinkage (80×80×2mmt)	Flow direction	%	0.3	
	Transverse direction	%	0.9	
Tensile Stress at yield	MPa	ISO 527	140	
Tensile Strain at break	%	ISO 527	-	
Flexural strength	MPa	ISO 178	-	
Flexural modulus	GPa	ISO 178	9.1	
Izod notched impact strength	KJ/m <sup>2</sup>	ISO 180	-	
Temperature of deflection under load (1.8MPa)	°C	ISO 75	>293	
Coefficient of linear thermal expansion	< Tg	×10 <sup>-5</sup> /°C	ASTM D696	-
	> Tg	×10 <sup>-5</sup> /°C	ASTM D696	-
Flammability (1.45mmt)	—	UL94	V-0	
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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