

PEEK®

381G

필름 및 모노필라멘트, 와이어코팅용 Grade

Item	Unit	Testing Method	381G
Density	g/cm ³	ISO 1183	1.32
Water absorption (23°C, 24hrs)	%	ISO 62	0.5
Mold Shrinkage (80×80×2mmt)	%		0.7
Flow direction	%		1.2
Transverse direction	%		
Tensile Stress at yield	MPa	ISO 527	97
Tensile Strain at break	%	ISO 527	>60
Flexural strength	MPa	ISO 178	170
Flexural modulus	GPa	ISO 178	3.5
Izod notched impact strength	KJ/m ²	ISO 180	7.5
Temperature of deflection under load (1.8MPa)	°C	ISO 75	152
Coefficient of linear thermal expansion	< Tg > Tg	×10 ⁻⁵ /°C ×10 ⁻⁵ /°C	ASTM D696 ASTM D696
Flammability (1.45mmt)	—	UL94	V-0
Dielectric constant (50Hz, 0-150°C)		IEC 60250	3.2
(50Hz, 200°C)		IEC 60250	4.5
Dielectric loss tangent (23°C, 1MHz)		IEC 60250	0.003
Electric strength (50 μm film)	kV/mm	IEC 60243	190
Volume resistivity	Ohm·cm	IEC 60093	4.9
Surface resistivity	Ohm	IEC 60093	—
Tracking resistance	V	IEC 60112	150

• 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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