

PEEK®

150PF

파우더 코팅 및 압축성형용 저점도 Grade

Item	Unit	Testing Method	150PF
Density	g/cm ³	ISO 1183	1.32
Water absorption (23°C, 24hrs)	%	ISO 62	0.5
Mold Shrinkage (80×80×2mmt) Flow direction	%		0.7
Transverse direction	%		—
Tensile Stress at yield	MPa	ISO 527	100
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	6.1
Temperature of deflection under load (1.8MPa)	°C	ISO 75	156
Coefficient of linear thermal expansion < Tg	×10 ⁻⁵ /°C	ASTM D696	4.7
> Tg	×10 ⁻⁵ /°C	ASTM D696	10.8
Flammability (1.45mmt)	—	UL94	—
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	—
Electric strength (50 μm film)	kV/mm	IEC 60243	190
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.

KOREA ENGINEERING PLASTICS CO., LTD.
Head Office Tel. 82-2-707-6841/48
Research Center Tel. 82-31-457-2649