

PEEK[®]

450CA30

표준점도, 사출성형용 탄소섬유 30% 강화 Grade

Item		Unit	Testing Method	450CA30
Density		g/cm ³	ISO 1183	1.44
Water absorption (23°C, 24hrs)		%	ISO 62	0.06
Mold Shrinkage (80×80×2mmt)	Flow direction	%		0.03
	Transverse direction	%		0.3
Tensile Stress at yield		MPa	ISO 527	224
Tensile Strain at break		%	ISO 527	2
Flexural strength		MPa	ISO 178	355
Flexural modulus		GPa	ISO 178	22.3
Izod notched impact strength		KJ/m ²	ISO 180	9
Temperature of deflection under load (1.8MPa)		°C	ISO 75	315
Coefficient of linear thermal expansion	< Tg	×10 ⁻⁵ /°C	ASTM D696	1.5
	> Tg	×10 ⁻⁵ /°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.

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