

KP270

PBT base resin, high viscosity, Extrusion for optical fiber tube application.

TEST ITEM		ASTM	UNIT	VALUE
Physical Property				
Specific Gravity	23°C	D792	-	1.31
Intrinsic Viscosity		OCP	Dl/g	1.65
Water Absorption		D570	%	0.08
Mold Shrinkage	23°C	D955	%	1.7 - 2.3
Mechanical Property				
Tensile Strength	23°C	D638	Kg/cm ²	552
Tensile Elongation	23°C	D638	%	250
Flexural Strength	23°C	D790	Kg/cm ²	960
Flexural Modulus	23°C	D790	Kg/cm ²	25,500
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm	5.0
(un-notched)	23°C			NB
Hardness (Rockwell)		D785	R scale	79.0
Thermal Property				
Melting Point		D789	°C	221
Coefficient of Linear Thermal Expansion		D696	cm/cm/°C(X10 ⁻⁴)	0.8
Heat Distortion Temperature		D648		
4.6kg/cm ²			°C	155
18.6kg/cm ²			°C	75
Flammability		UL94	UL 94	HB
Electrical Property				
Arc Resistance	23°C	D495	sec	120
Dielectric Constant	23°C	D150	10 ⁶ Hz	3.1
Dielectric Strength	23°C	D149	KV/mm	28

Remark: The information provided in this data sheet is based on Kolon's knowledge and test method, therefore it can not be used as guaranteed specification limits.