

PRODUCT INFORMATION

Cross linked-GF Reinforced Grade

KOPPS[®] S25G40

Polyphenylene sulfide,

High heat-resistance, High Flow, self-extinguishing, High dimensional stability

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.65
Shrinkage	ASTM D955	%	0.22
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.02
Thermal			
Melting Point	ASTM D3418	℃	285
Heat Deflection Temperature under Load HDT/A 1.82 MPa (18.6 kg/cm ²)	ASTM D648	℃	265
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	2.2
Flammability	UL 94		V0
Mechanical			
Tensile Strength 23℃	ASTM D638	kg/cm ²	1,550
Tensile Elongation 23℃	ASTM D638	%	2
Flexural Strength 23℃	ASTM D790	kg/cm ²	2,500
Flexural Modulus 23℃	ASTM D790	kg/cm ²	150,000
Notched Izod Impact Strength 23℃	ASTM D256	kg cm/cm	8
Rockwell Hardness R scale	ASTM D785	g/cc	122
Electrical			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 ⁶ Hz	4
Dielectric Strength	ASTM D149	KV/mm	16

**KOLON PLASTICS, Inc.**