

> Characteristics : G/F reinforced, Flame retardant

PROPERTY	TYPICAL DATA	UNIT	METHOD
PHYSICAL			
Specific gravity	1.59	-	ASTM D792
Water absorption: 24 hours, 23°C	0.07	%	ASTM D570
MECHANICAL			
Tensile strength	1,250	kg/cm ²	ASTM D638
Tensile elongation	5	%	ASTM D638
Flexural strength	1,750	kg/cm ²	ASTM D790
Flexural modulus	82,000	kg/cm ²	ASTM D790
IZOD impact strength, 1/8"	9	kg cm/cm	ASTM D256
Hardness, Rockwell	120	R scale	ASTM D785
THERMAL			
Melt temperature	226	°C	-

HDT: 4.6 kg/cm ²	225	°C	ASTM D648
HDT: 18.6 kg/cm ²	210	°C	ASTM D648
Coefficient of linear thermal expansion	3	mm/mm/°C	ASTM D696

ELECTRICAL

Volume resistivity(X 10 ¹⁶)	10 ¹⁶	ohm-cm	ASTM D257
Dielectric strength	20	KV/mm	ASTM D149
Dielectric constant: 10 ⁶ HZ	3.2	-	ASTM D150
Dissipation factor: 10 ⁶ HZ	0.016	-	ASTM D150
ARC resistance	110	sec	ASTM D495

OTHERS

Flammability, 1/16"	V-0	-	UL 94
Mold shrinkage, 3mmt	0.2~1.2	%	ASTM D955

These property values shown are average values that can be expected from typical manufacturing lots and are not intended for specific purpose. All data subject to standard disclaimer.

