



› Reinforced

PROPERTY	TYPICAL DATA	UNIT	METHOD
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PHYSICAL			
Specific gravity	1.25	-	ASTM D792
Water absorption 24 hours, 23°C	0.13	%	ASTM D570

MECHANICAL			
Tensile strength	900	kg/cm ²	ASTM D638
Tensile elongation	12	%	ASTM D638
Flexural strength	1,300	kg/cm ²	ASTM D790
Flexural modulus	36,000	kg/cm ²	ASTM D790
IZOD impact strength, 1/8"	12	kg cm/cm	ASTM D256
Hardness, Rockwell	121	R scale	ASTM D785

THERMAL			
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HDT: 4.6 kg/cm ²	150	°C	ASTM D648
HDT: 18.6 kg/cm ²	144	°C	ASTM D648
Coefficient of linear thermal expansion	4.3 X 10 ⁻⁵	mm/mm/°C	ASTM D696

ELECTRICAL

Volume resistivity: X 10 ¹⁶	4	ohm-cm	ASTM D257
Dielectric strength	31	KV/mm	ASTM D149
Dielectric constant: 10 ⁶ HZ	2.97	-	ASTM D150
Dissipation factor: 10 ⁶ HZ	0.0096	-	ASTM D150
ARC resistance	120	sec	ASTM D495

OTHERS

Flammability, 1/16"	V-0	-	UL 94
Mold shrinkage, 3mmt	0.3~0.5	%	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.

