Product Information/Technical Data Sheet

TECHNICAL DATA SHEET: Chemguard

Properties	Testing Method	Unit	Typical value
Specific gravity	ASTM D792	g/cm³	1.50
Rockwell	Shore D		86
Tensile Strength	ASTM D638	Kg/cm²	630
Tensile modulus of Elasticity	ASTM D638	Kg/cm²	27000
Elongation at break	ASTM D638	%	70
Flexural strength	ASTM D790	Kg/cm²	850
Flexural modulus	ASTM D790	Kg/cm²	29900
IZOD impact strength	ASTM D256	Kg/cm²	8.0
Softening temperature	CNS 3143	°C	89.5
(264psi) Heating deflection temperature	ASTM D648	°C	91.2
Dimensional change on heating (CD)	JIS K7133	%	1.0
Dimensional change on heating (MD)	JIS K7133	%	-2.4
Cofficient of linear expand	ASTM D696	X10 ⁻⁵ l/°C	6.8
Thermal conductivity	ASTM C177	10 ⁻⁴ cal/cm.sec°C	3.3
Flammability resistance	UL 94	-	V0
Surface resistance	ASTM D257	Ω/□	10¹5↓
Volume resistance	ASTM D257	Ω.cm	1014个
Dielectric strength	JIS K6911	KV/mm	35
Dielectric constant	ASTM D150	10 ³ MHz	3.6
Water absorption	ASTM D570	%	0.01
Total luminous transmittance	JIS K7361	%	-
Weather Resistant	UV-con	168 hours	stable

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