

Product Information/Technical Data Sheet

Product Name: ChemGuard

Properties

	Typical Value	Unit	Testing Method
Specific Gravity	1.5	g/cm ³	ASTM D792
Rockwell	86		Shore D
Tensile Strength	630	Kg/cm ²	ASTM D638
Tensile Modulus of Elasticity	27000	Kg/cm ²	ASTM D638
Elongation at Break	70	%	ASTM D638
Flexural Strength	850	Kg/cm ²	ASTM D790
Flexural Modulus	29900	Kg/cm ²	ASTM D790
IZOD Impact Strength	8.0	Kg/cm ²	ASTM D256
Softening Temperature	89.5	⁰ C	CNS 3143
(264 psi) Heating Deflection Temperature	91.2	⁰ C	ASTM D648
Dimensional Change on heating (CD)	1.0	%	JIS K7133
Dimensional Change on heating (MD)	-2.4	%	JIS K7133
Coefficient of Linear Expand	6.8	X10 ⁻⁵ / ⁰ C	ASTM D696
Thermal Conductivity	3.3	10 ⁻⁴ cal /cm.sec ⁰ C	ASTM C177
Flammability Resistance	V0	-	UL 94
Surface Resistance	10 ¹⁵ ↓	Ω/□	ASTM D257
Volume Resistance	10 ¹⁴ ↑	Ω . cm	ASTM D257
Dielectric Strength	35	KV/mm	JIS K6911
Dielectric Constant	3.6	10 ³ MHz	ASTM D150
Water Absorption	0.01	%	ASTM D570
Total Luminous Transmittance	-	%	JIS K7361
Weather Resistant	Stable	168 Hours	UV-con

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