



Polyply[®] Composites

ChemBlok
Chemical Resistant
Laminates

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Polyply Composites U.L. Listed ChemBlok CR-900 laminates are glass reinforced, UV inhibited composite sheets that offer excellent chemical and flame resistance wherever a cost effective general-purpose corrosion material is required.

TYPICAL PROPERTIES

General Information		ASTM
Polyply Composites LLC Grade	CR-900	
U.L. Recognition File Number	E31703	
Meets U.L. Standards 1805		
Color (Standard)	White	
Sheet Size	48" x 96" length	
Sheet Thickness	3/16"	Other sizes on request
Specific Gravity	1.8	D-792
Water Absorption (%by weight)	0.093	D-792
Flame Spread	20.2	UL 723/E-84
Smoke Generation, Tunnel Test	166	E-84
Flame Resistance	Self Extinguishing	
Tensile Strength, psi	8,300	D-638
Flexural Strength, psi	20,400	D-790
Compressive Strength (flat), psi	29,200	D-695
IZOD Impact Strength (Notched)	8.1	D-256
Barcol	50	

REAGENT RESISTANCE - PANEL CR900 LOT 07-1087,88

No.	Reagent	Rating	No.	Reagent	Rating
1	Amyl Acetate	0	26	Iodine, Tincture	2
2	Ethyl Acetate	0	27	Methyl Ethyl Ketone	1
3	Acetic Acid 98%	1	28	Methylene Chloride	2
4	Acetone	1	29	Mono Chlorobenzene	0
5	Acid Dichromate 5%	2	30	Naphthalene	0
6	Butyl Alcohol	0	31	Nitric Acid 20%	0
7	Ethyl Alcohol	0	32	Nitric Acid 30%	0
8	Methyl Alcohol	0	33	Nitric Acid 70%	2
9	Ammonium Hydroxide 28%	0	34	Phenol 90%	0
10	Benzene	1	35	Phosphoric Acid 85%	0
11	Carbon Tetrachloride	1	36	Silver Nitrate, Saturated	0
12	Chloroform	1	37	Sodium Hydroxide 10%	0
13	Chromic Acid 60%	2	38	Sodium Hydroxide 30%	0
14	Cresol	1	39	Sodium Hydroxide 40%	0
15	Dichloroacetic Acid	1	40	Sodium Hydroxide, Flake	0
16	Dimethyl Formamide	1	41	Sodium Sulfide, Saturated	0
17	1,4-Dioxane	0	42	Sulfuric Acid 33%	0
18	Ethyl Ether	0	43	Sulfuric Acid 77%	1
19	Formaldehyde 37%	0	44	Sulfuric Acid 96%	3
20	Formic Acid 90%	1	45	Sulfuric Acid 77% + Nitric Acid 70% (50/50)	2
21	Furfural	2	46	Toluene	0
22	Gasoline	0	47	Trichloroethylene	0
23	Hydrochloric Acid 37%	0	48	Xylenes	0
24	Hydrofluoric Acid 48%	3	49	Zinc Chloride, Saturated	0
25	Hydrogen Peroxide 3%	0			

Number of Level 3 Ratings	Disposition
2	Pass
Specification per SEFA 8, 1999	4 or less occurrences of Level 3 ratings

Unless otherwise indicated, all properties are based on tests performed on standard ASTM test samples and according to ASTM test methods. Values shown are for test samples made from production materials and are believed to be typical. No warranty is expressed or implied.



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