

# Chemical/Corrosion Resistant Sheet

Typical Properties	Test Method	Units	H232	H722 GPO-1	HCR- 100	HCR-110	HCR-125	HCR-191	HCR-196	HCR-197
Category	--	--	Fume Hood Corrosion		Corrosion-Waste Water	Corrosion-Waste Water	Corrosion-Waste Water	Corrosion-Waste Water	Corrosion-Waste Water	Corrosion-Waste Water
Color	--	--	White	Natural	Green	Grey	Beige	Beige	Grey	Lt Yellow
Water Absorption	D-792	%	0.28	0.60	0.20	0.20	0.20	0.35	0.20	0.20
Barcol Hardness	--	--	46	46	60	53	55	58	55	56
Specific Gravity	D-792		1.83	1.87	1.87	1.83	1.82	1.80	1.70	1.60
Density	--	lbs/in3	0.066	0.068	0.068	0.066	0.066	0.065	0.062	0.057
Flamability	UL	Class	94V-0			94V-0	94V-0			
Flame Resistance										
Ignition Time	D-229	Seconds		57		97		80		85
Burning Time	D-229	Seconds		328		35		80		300
Flame Spread Index	E-84		10							
Smoke Development Index	--	PSI	185							
Tensile Strength										
Lengthwise	D-638	PSI	9,375	10,000	10,000	9,200	10,200	10,000	10,200	10,000
Crosswise	D-638	PSI	4,219	5,000						
Flexural Strength										
Lengthwise	D-790	PSI	19,117	18,000	23,000	22,000	22,500	23,000	22,500	22,000
Crosswise	D-790	PSI	9,846	14,000						
Compressive Strength Flatwise	D0695	PSI	30,422	32,000	30,000	33,170	30,000	32,000	30,000	30,000
Impact Strength Izod										
Lengthwise	D-256	Ft lbs/in	17.6	8	8	6	8	10	8	10
Shear Strength	D-229	PSI	10,923	14,000	14,000	13,350	13,600	14,000	13,600	13,000
Arc Resistance	D-495	Seconds	189	150	150	192	180			
Dielectric Strength Perpendicular In Air/Oil	D-149	VPM	350	500	350	350	400	350	400	400
Dielectric Strength Parallel In Air/Oil	D-149 D-229	KV	48.6	54.0	54.0	54.6	47.0	40.0	47.0	54.0