

PHYSICAL TESTING RESULTS

ASTM Test Method	Test Description	Result
D790	Flexural Strength, psi	1,830
D790	Flexural Modulus, psi X100,000	5.13
D648	Heat Distortion Temperature, F	126
D2583	Hardness, Barcol, 934-1 gauge	55-60
D792	Specific Gravity	1.313
D256	Impact, Izod Unnotched, ft-lbs/in	.50
D570	Water Absorption, 24 hours	.07 %

Above testing was performed by INTERPLASTIC CORPORATION, Minneapolis, Minnesota, 615-481-6860, (REK-Johnson, T Phys Test 112602).

Cone Calorimeter Test		
Orientation/Set-up:	Heat Flux - 50 kW/m ²	
Exhaust Flow Rate:	30g/s	
Sample Weight:	291 g	
Thickness:	22 mm	
Results:	Time to Flashing	49.00 sec
	Time to Sustain Flaming	51.74 sec
	Average Heat Release	271.27 kW/m ²
	Peak Heat Release	329.43
	Time to Peak Heat Release	995.85 sec
	Average Mass Loss Rate	22.53 g/sm ²
	Average Heat Combustion	19.16
	Average Carbon Monoxide	0.00 kg/kg
	Average Carbon Dioxide	0.00 kg/kg
Average Smoke Extinction Area	1207 m ² /kg	

Above testing was performed by Department of Fire Protection Engineering, University of Maryland.