

PROPERTY	ASTM or UL TEST	HPP	CPP
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PHYSICAL			
SPECIFIC GRAVITY	D792	0.90-0.91	0.89-0.91
WATER ABSORPTION (%)	D570	0.01-0.03	0.03

MECHANICAL			
TENSILE STRENGTH (psi @ 73°F)	D638	4,500-6,000	4,000-5,500
ELONGATION AT BREAK (%)	D638	100-600	200-500
TENSILE MODULUS (psi @ 73°F)	D638	16,500-22,500	13,000-18,000
FLEXURAL MODULUS (psi @ 73°F)	D790	17,000-25,000	13,000-20,000
IMPACT STRENGTH, Izod (ft-lb/in OF NOTCH)	D256	0.4-1.4	1.1-14
HARDNESS, ROCKWELL M	D785	80-102	65-96

THERMAL			
THERMAL CONDUCTIVITY (10^{-4} cal-cm/sec-cm ² -°C)	C177	2.8	3.5-4.0
COEFFICIENT OF THERMAL EXPANSION (10 ⁻⁵ in/in- °C)	D696	8-10	6-10
DEFLECTION TEMPERATURE (°F)	D648		
AT 264 psi	D648	120-140	120-140
AT 66 psi	D648	225-250	185-220

FLAMMABILITY			
FLAMMABILITY RATING	UL 94	HB	HB

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