

TYPICAL PROPERTIES OF HR D-PAD™

ASTM or UL test	Property	Result
PHYSICAL		
D792	Density (lb/in ³)	0.051
	(g/cm ³)	1.41
D570	Water Absorption, 24 hrs (%)	0.2
MECHANICAL		
D638	Tensile Strength (psi)	9500
D638	Tensile Modulus (psi)	400000
D638	Tensile Elongation at Break (%)	30
D790	Flexural Strength (psi)	12000
D790	Flexural Modulus (psi)	400000
D695	Compressive Strength (psi)	15000
D695	Compressive Modulus (psi)	400000
D785	Hardness, Rockwell	M88 / R120
D256	IZOD Impact Notched (ft-lb/in)	1.0
THERMAL		
D696	Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F)	5.40
D648	Heat Deflection Temp (°F / °C) at 264 psi	220 / 104
D3418	Melting Point Temp (°F / °C)	335 / 168
	Max Operating Temp (°F / °C)	180 / 82
C177	Thermal Conductivity (BTU-in/ft ² -hr-°F)	1.6
	(x 10 ⁻⁴ cal/cm-sec-°C)	5.5
UL94	Flammability Rating	HB
ELECTRICAL		
D419	Dielectric Strength (V/mil) short time, 1/8" thick	420
D150	Dielectric Constant at 1 MHz	3.8
D150	Dissipation Factor at 1 MHz	0.005
D257	Volume Resistivity (ohm-cm) at 50% RH	10.15

The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. All values at 73°F (23°C) unless otherwise noted.

For assistance, please call 713-928-3437 or email sales@dalecompany.com.

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