

Material Information Sheet

Material Description: Heavy Weights

Specifications		
Material:	High-density polyethylene	
Finish:	Textured	
Sheet Size:	24"x 48" (610 x 1219mm)	
Thickness: 3-Ply	1/4" (6.35mm) 1/2" (12.7mm)	
Usage:	Architectual, Exterior & Recreational Signage	
Engraving Method:	Rotating carbide, Router	
Cutting Depth:	¼" = .030" (.8mm) ½" = .060" (1.5mm)	
Physical Properties		
<u>IZOD Impact Strength</u>		
Notched at 73°F (22.78°C)		D-256
<u>Tensile Strength</u>		
To break	4,100 psi	D-638
Elongation before break		D-638
<u>Flexural Strength</u>		
Loan to stretch outer surface 5%	185,000 psi	D-790
<u>Electrical – Arc Resistance</u>	10^12 Ohms/Sq. Meter	D-495
<u>Rockwell Hardness</u>		D-785
<u>Specific Gravity</u>		D-792
<u>Deflection Temperature</u>		
Temperature at which material deflects .010" (.254mm) at 264 psi	167°F (75°C)	D-648
<u>Coefficient of Thermal Expansion</u>		
Inch/inch/°F	6.0 x 10 ⁻⁵	D-696
<u>Vicat Softening Point</u>		
Temperature for needle to penetrate 1mm (90°F/hr, 2.2 lbs)	253.4°F (123°C)	D-1525

Heavy Weights material softens sufficiently at about 180°F (82.22°C), which enables bending, should that be desired. It can also be drilled, sawed, sheared, and bonded to itself or other materials. Electrically non-conductive, Insulative, Fire retardant, Non-flammable. Meets 10¹² Ohms/square meter or higher in electrical resistivity, RoHS compliant (halogen-free), PVC-free, Formaldehyde and Phenol free and UL 94 V0. Material was deemed as not contributing to the combustion of the base material.

Terms & Condition of Sale

Rowmark warranty is limited to replacement of product only, and such warranty does not extend to the costs of any repeat labor or incidental costs.

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