

## Polymer Industries Densetec HDPE Sign Board

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

### Material Notes:

Densetec Sign Board is a coextruded thermoplastic sheet with multiple color layers. The material is manufactured by extruding one color on the inside and a contrasting color on the outside. The layers are combined while the material is still molten. The result is a homogenous sheet that is guaranteed not to delaminate, crack or chip. It is superior to other sign materials, which are separate layers of material laminated together. Information provided by Polymer Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polymer-Industries-Densetec-HDPE-Sign-Board.php](http://www.lookpolymers.com/polymer_Polymer-Industries-Densetec-HDPE-Sign-Board.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	35 hour	35 hour	CO-630; Condition B; ASTM D1693
	45 hour	45 hour	CO-630; Condition A; ASTM D1693
Melt Index of Compound	0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	2in (50mm) per min.; ASTM D638 Type 4
Elongation at Break	>= 600 %	>= 600 %	2in (50mm) per min.; ASTM D638 Type 4
Flexural Modulus	1.378 GPa	199.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	126 µm/m-°C	70.0 µin/in-°F	ASTM E831
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Brittleness Temperature	<= -84.0 °C	<= -119 °F	ASTM D746
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

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