



CURBELL
PLASTICS

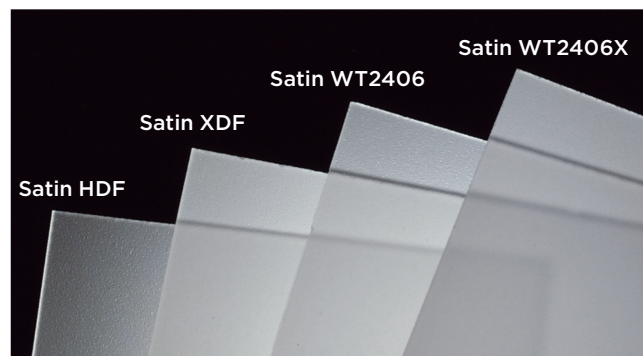
1-888-CURBELL
www.curbellplastics.com

Curbell Plastics is a proud supplier of Plaskolite materials.

PLASKOLITE'S LED DIFFUSION LENSES – FOR INTENSE LED LIGHTING

ELEGANT LINEAR ARCHITECTURAL LIGHTING PANELS WITH UNMATCHED TRANSMISSION AND DIFFUSION

- » Enables narrower dimensions and thinner gauges while maintaining hiding power
- » Matte textured surface on one side for superior reduction of gloss
- » 48" x 96" standard dimension: impact-modified, custom dimensions and thickness also available upon request



OPTIX LED polymer equivalents available

Product	Color	Light Transmission	Half Angle	Available Thickness
OPTIX LED - Satin HDF	Colorless	92%*	20	0.040", 0.080", 0.118"
OPTIX LED - Satin XDF	Colorless	85%*	30	0.040", 0.080", 0.118"
OPTIX LED - Satin XDF-1	Colorless	78%*	40	0.040", 0.080", 0.118"
OPTIX LED - Satin WT2406	White	80%*	15	0.040", 0.080", 0.118"
OPTIX LED - Satin WT2406X	White	70%*	40	0.040", 0.080", 0.118"

*Test conducted on 0.080" sample sizes
Light Transmission values conducted on Haze Gard Plus (BYK)

PLASKOLITE

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Typical Properties

Property	ASTM Method	Units	Values
PHYSICAL			
Specific Gravity	D 792	-	1.19
Water Absorption	D 570	% By wt	0.4
MECHANICAL			
Tensile Strength	D 638	psi	11,030
Tensile Modulus of Elasticity	D 638	psi	490,000
Flexural Strength	D 790	psi	17,000
Flexural Modulus of Elasticity	D 790	psi	490,000
Izod Impact Strength, Molded Notch	D 256	ft-lb/in Notch	0.4
Rockwell Hardness	D 785	-	M-95
THERMAL			
Maximum Recommended Continuous Service Temperature	-	°F	170-190
Softening Temperature	-	°F	210-220
Melting Temperature	-	°F	300-315
Deflection Temperature, 264 psi	D 648	°F	203
Deflection Temperature, 66 psi	D 648	°F	207
Coefficient of Thermal Expansion	D 696	in/in/°F	3.0 x 10 ⁻⁵
Flammability (Burning Rate)	D 635	in/minute	1.0
Smoke Density Rating	D 2843	%	3.4
Self-Ignition Temperature	D 1929	°F	833