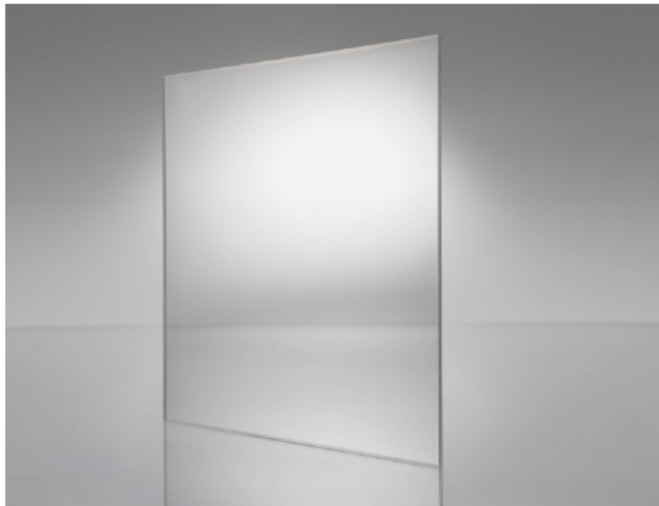




# PROFESSIONAL PLASTICS



## DURAPLEX IMPACT MODIFIED ACRYLIC

### SHEET

DURAPLEX continuously-processed, impact-modified acrylic sheet is up to 30 times stronger than double-strength window glass and 50 times stronger than polished wire glass or other glasses, making it an excellent choice for displays, skylights, signage and replacement windows. DURAPLEX is available in custom impact blends and a range of thicknesses, widths, colors and patterns and in flat sheets or roll stock.

SHARE

STOCK & NON-STOCK COLORS	PRODUCT DETAILS	<input checked="" type="checkbox"/> RUN-TO-SIZE
<p>*Colors on screen may not reflect exact matches to physical sheets. *Custom colors available. *Non-Stock colors, patterns or sizes may require a minimum quantity order.</p>	<p>Thickness: .040" - .500"</p> <p>Width: 5" - 105"</p> <p>Length: 14" - 216"</p> <p>Features: Weatherable</p>	

DURAPLEX Impact Modified Acrylic Properties

Physical	Test method	Units	DURAPLEX 30%	DURAPLEX OPTIX SG05 (50%)	DURAPLEX 70%	DURAPLEX OPTIX SG10 (100%)
Specific Gravity/Relative Density	ASTM D-792 / ISO 1183		1.18	1.17	1.16	1.15
Light Transmission - Total	ASTM D-1003 / ISO 13468-1	%	92	92	90	90
Light Transmission - Haze	ASTM D-1003 / ISO 14782	%	2	2	>3	>3
Water Absorption	ASTM D-570 / ISO 62	% By wt	0.3	0.3	0.3	0.3
Mold Shrinkage	ASTM D-955	mils/in	3-6	3-6	3-6	3-6

Mechanical	Test method	Units	DURAPLEX 30%	DURAPLEX OPTIX SG05 (50%)	DURAPLEX 70%	DURAPLEX OPTIX SG10 (100%)
Tensile Strength	ASTM D-638 / ISO 527	psi	9,000	8,000	7,100	5,600
Tensile Modulus of Elasticity	--	psi	376,000	340,000	304,000	250,000
Flexural Strength	ASTM D-790 / ISO 178	psi	13,690	12,000	10,610	8,300
Izod Impact Strength – Molded Notch	ASTM D-256 / ISO 180	ft-lb/in Notch	0.6	0.7	0.9	1.1
Ball Drop Impact	/ DIN 52306		Pass	Pass	Pass	Pass
Rockwell Hardness	ASTM D-785 / ISO 2039-2		M-78	M-68	M-59	M-46

Order Online at:

<https://www.professionalplastics.com/DURAPLEXFLATSHEET>

[www.professionalplastics.com](http://www.professionalplastics.com)

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