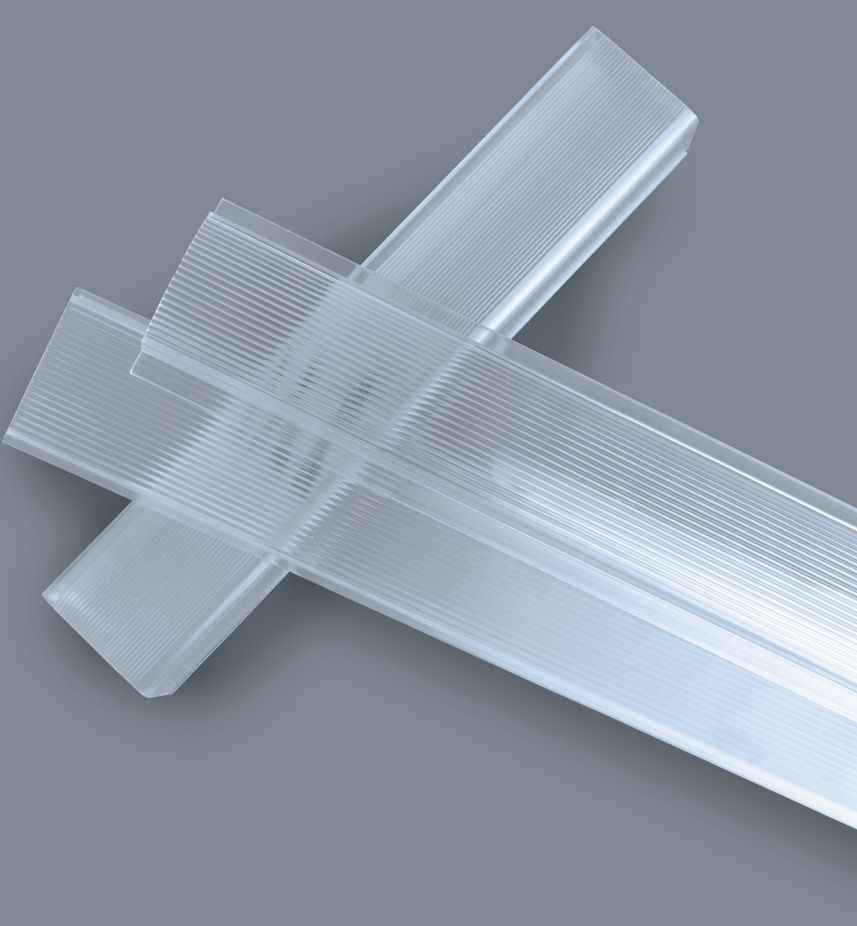


# PEXCO

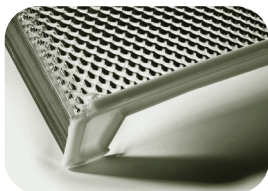
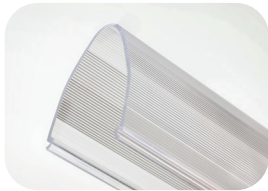
# DURAYL®

## LIGHTING SOLUTIONS



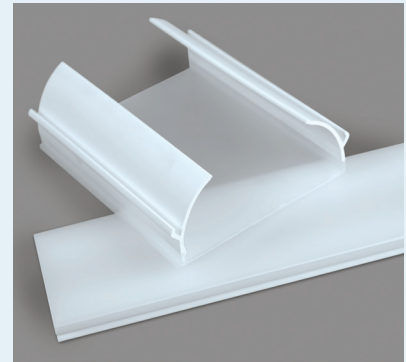
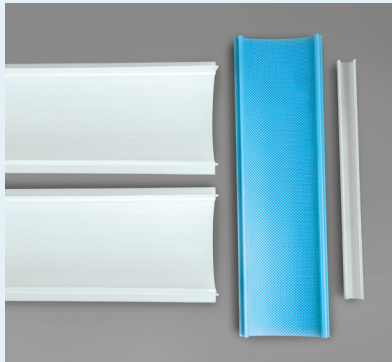
**Durayl®** is Pexco's proprietary impact modified acrylic blend, formulated to enhance durability.

Durayl delivers outstanding optical properties and excellent weathering resistance to prolonged exposure to sunlight and electric light sources. This stability makes Durayl an ideal material for use in lighting lenses, diffusers, and dust covers. From clear, translucent white, opal or virtually any color required — Pexco can customize the perfect blend for your application.

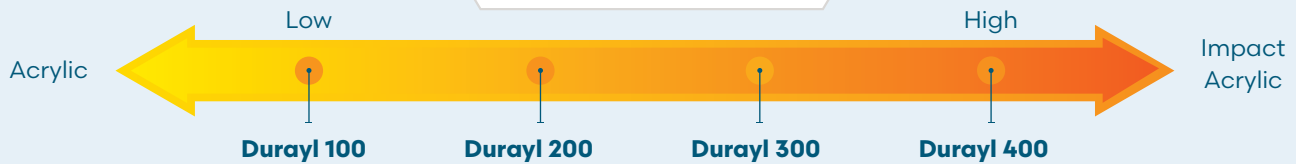


**Pexco provides lighting design and manufacturing expertise to help OEMs identify the best material blend, light diffusion, hiding power, efficiency, and overall manufacturability of custom profiles.** We also help address design and engineering requirements of unique lighting fixtures.

With multiple tool and die shops across the nation, and a lighting Center of Excellence for plastic profile manufacturing, Pexco possesses an extensive array of services and expertise to help you transform your idea into reality.



## Impact Resistance



## DURAYL

Property	ASTM Test Method	Acrylic	DU-100	DU-200	DU-300	DU-400	Impact Acrylic
Specific Gravity	D-792	1.19	1.186	1.184	1.178	1.175	1.16
Light Transmission	D-1003 (%)	92	92	92	92	92	90
Haze	D-1003 (%)	2	2	2	2	2	3
Rockwell Hardness	D-785 (M Scale)	96	84	83	71	57	45
Tensile Strength	D-638 (Max PSI)	10,200	9,500	9,000	8,000	6,800	5,500
Tensile Modulus	D-638 (PSI)	450,000	420,000	400,000	350,000	300,000	250,000
Flexural Strength	D-780 (PSI)	15,000	14,400	13,800	13,000	12,000	10,300
Notched Izod (Milled Notch)	D-256 ft.lb/in of notch 73°	0.23	0.35	0.45	0.65	0.9	1.1
Dynatup Impact	D-3736 ft/lb Total Energy	1.5	2	2.5	3.5	6.5	7.5
	Energy @ First Break	0.1	0.2	0.4	1.4	2.5	3.5
Deflection Temp Under Load Annealed 4 hrs/180°F	D-648 (°F) 3.6 °F/min 264 PSI	199	198	196	192	188	180
Vicat Softening	D-1525 °F 90°F/hr 2.2lb	214	213	212	211	208	205
Flammability	D-1003	HB	HB	HB	HB	HB	HB

The specifications listed on this table are average values compiled from data supplied by manufacturers of plastic resins. They are offered as general guidelines only. Pexco is not responsible for their accuracy, makes no guarantee or warranty for any of the above data, and assumes no liability or obligation for results obtained by users of this information. Users of a material should make their own tests to determine its suitability for their particular application. Statements concerning possible or suggested usage of materials are not constructed as constituting recommendation for use of such materials in the infringement of any patent.

**Get in touch with our experts.**

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