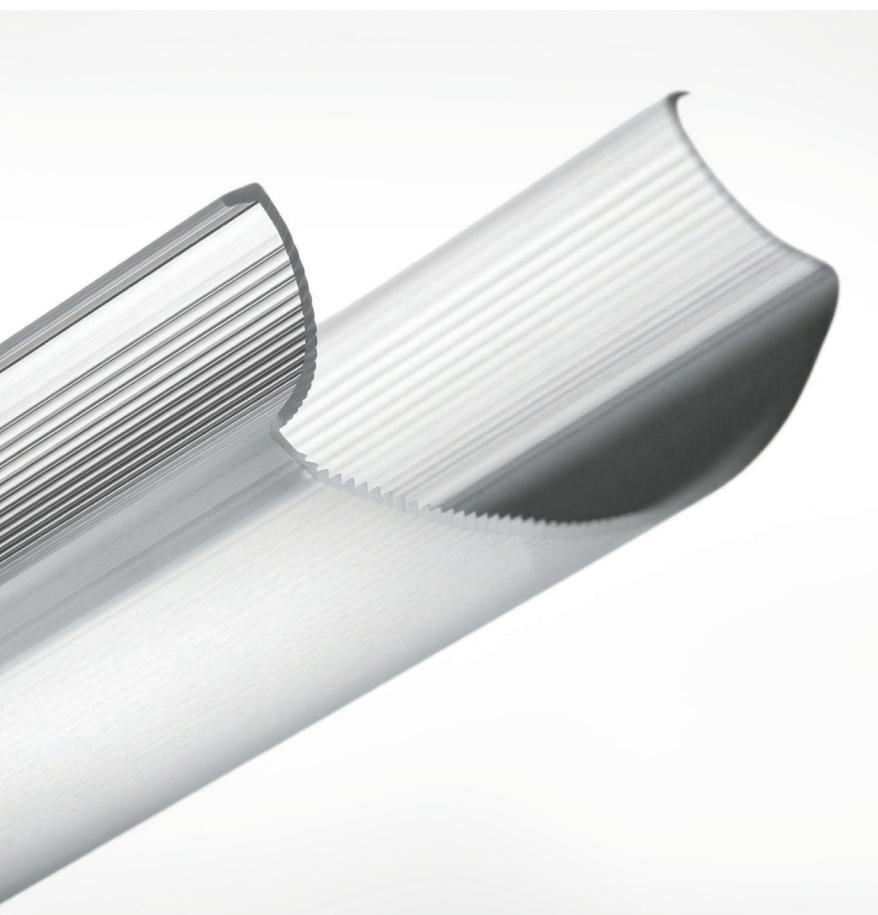


PEXCO

DURAFROST®

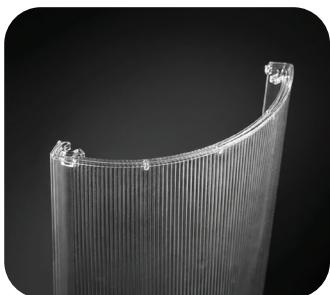
LIGHTING SOLUTIONS



Durafrost® is Pexco's proprietary frosted impact acrylic material blend, designed to deliver a consistent textured surface.

With significant diffusion to minimize light source imaging, Durafrost delivers an even distribution across the lens. This diffusion makes Durafrost an ideal material for use in architectural lighting fixtures, so the viewer does not see LED or other point sources. This ensures **even illumination, reduces glare and focuses the light** most economically and efficiently.

Your Partner in Custom Lighting Solutions



Pexco provides light fixture design and manufacturing expertise to help OEMs identify **the best material blend, light diffusion, hiding power, efficiency and overall manufacturability of custom profiles.**

Frosted impact acrylic material blends are highly valued in commercial lighting applications because they combine excellent light diffusion, optical clarity, impact resistance and design versatility.

Durafrost Frost Acrylic material offers superior impact resistance, a consistent textured surface and excellent diffusion to minimize lamp image while being very tough and UV resistant.

- Fingerprint and scratch resistant
- High Performance in Lumen output
- Excellent beam distribution
- Elimination of hot spots

DURAFROST

Property	ASTM Test Method	Durayl® LED	
Physical			
Specific Gravity	D-792	1.16	
Optical			
Light Transmission	Lutron LX-1108 Meter D-1003 (%)	Thickness	Value
		0.060"	—
		0.080"	92
		0.100"	—
		0.125"	84
Haze	D-1003 (%)	Thickness	Value
		0.060"	—
		0.080"	97
		0.100"	—
		0.125"	98
Mechanical			
Rockwell Hardness	D-785 (M Scale)	50	
Tensile	D-638 (Max. PSI)	7,600	
Tensile Modulus	D-638 (PSI)	330,000	
Flexural Strength	D-780 (PSI)	12,500	
Notched Izod (Milled Notch)	D-256 ft. lb/in of notch 73°F	0.7	
Thermal			
Deflection Temp Under Load Annealed 4 hrs/180°F	D-648 (°F) 3.6°F/min. 264 PS	175	
Flammability Class	D-1003 Class	HB	

Learn more at www.pexco.com/products/lighting-products

Get in touch with our experts.

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