



DURAFROST[®]

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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. Pexco can also customize blends to achieve greater lamp obscurity with minimal diminished light transmission and an architectural textured surface finish. With Durafrost our customers experience:

- Very high impact resistance
- UV stability
- Fingerprint and scratch resistance
- High performance in Lumen output
- Excellent beam distribution
- Elimination of hot spots



Property	ASTM Test Method	DURAFROST®			
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"	-		
Haze	D-1003 (%)	Thickness	Value		
		0.060"	-		
		0.080"	97		
		0.100"	-		
0.125"		0.125"	84		
		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 PSI	175			
Flammability Class	D-1003 Class	HB			

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.

Learn more at www.pexco.com/lighting



Where Ideas Take Shape.

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