



DURAYL[®] LED

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Durayl® LED is Pexco's proprietary impact modified acrylic blend, formulated to minimize hot spots and maximize light transmission for LED light fixtures. Created to deliver a high performing, economical solution for the LED market, Durayl LED can be modified to provide customized, practical solutions for unique applications. Since its introduction in 2015, Durayl LED has been proven to deliver:

- Superior strength and impact resistance
- Remarkable longevity
- Outstanding hiding performance
- Excellent light transmission
- Premium intensity



Property	ASTM Test Method	Durayl® LED			
Physical					
Specific Gravity	D-792	1.186			
Optical					
Light Transmission	Lutron LX-1108 Meter D-1003 (%)	Thickness	Value		
		0.060"	83		
		0.080"	79		
		0.100"	74		
Haze	D-1003 (%)	Thickness	Value		
		0.060"	97.17		
		0.080"	97.74		
		0.100"	97.78		
0.125"		0.125"	98.18		
		Mechanical			
		Rockwell Hardness	D-785 (M Scale)	84	
		Tensile	D-638 (Max. PSI)	9,500	
Tensile Modulus	D-638 (PSI)	420,000			
Flexural Strength	D-780 (PSI)	14,400			
Notched Izod (Milled Notch)	D-256 ft.lb/in of notch 73°F	0.35			
Thermal					
Deflection Temp Under Load Annealed 4 hrs @ 180°F	D-648 (°F) 3.6°F/min, 264 PSI	198			
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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