

## Superior Light Transmission, High Melt Flow to Support Complex LED Lighting Applications

Light Emitting Diode (LED) technology has become a mainstream solution for lighting applications. With this innovation are opportunities for significant flexibility in the design of parts that were never possible before. Trinseo's CALIBRE™ 301-58LT offers maximum light transmission in a well-balanced injection molding grade polycarbonate. With its high melt flow, manufacturers and molders rely on the material for their most intricate applications, including greater wall thicknesses or light paths where high light transmission is needed. These applications include refractive optics, lenses, light guides and light pipes.

### Focused on Meeting Your Needs

CALIBRE™ 301-58LT is formulated for indoor applications that require maximum light transmission and a high melt flow. It is a unique well-balanced material designed to help our customers remaining on the edge of performance and cost competitiveness in LED lighting.

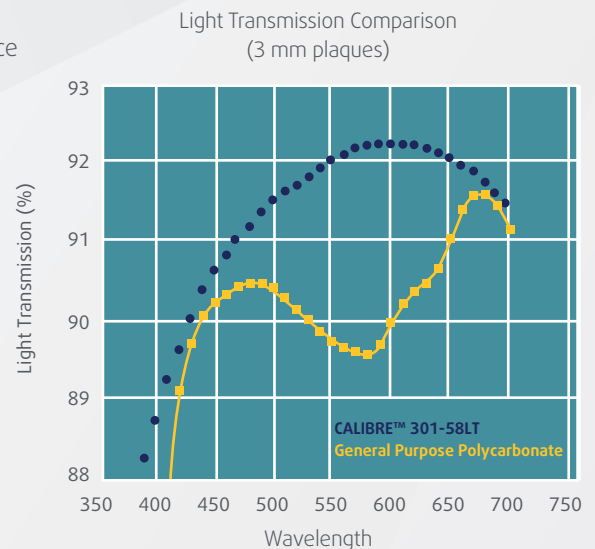
### Advantages and Benefits

#### High Light Transmission

- Light transmission greater than 90 percent results in transparency comparable to acrylics
- Available in water white tint and opalescence offering a look ranging from modern with cool lighting to traditional with a softer glow

#### Exceptional Processing

- With a melt flow of 58 and excellent processing characteristics, CALIBRE™ 301-58LT provides product designers with a wide spectrum of design options
- Ease of processing supports complex injection molded parts and thin lighting designs



CALIBRE 301-58LT demonstrates excellent light transmission (Source: Trinseo)

**Committed to Electrical and Lighting.** Trinseo has been committed to the LED Lighting market with its high-performance polycarbonate and thermoplastic engineered resins for nearly a decade. In addition to offering CALIBRE™ Polycarbonate Resins featuring superior light transmission, we offer translucent resins with diffusion properties under the EMERGE™ Advanced Resins brand name. We are also pleased to offer customers assistance balancing the attributes of transmission, diffusion and whiteness in injection molding and extrusion applications.

For more information on CALIBRE™ 301-58LT Polycarbonate Resins or other materials for the Electrical & Lighting industry, call 1-855-TRINSEO or visit <http://www.trinseo.com/na/en/industries/electrical>.



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Form No. 858-04701

CALIBRE 301