

**Description**

**Polypropylene Lumicene® M3766** is an isotactic form of homopolymer polypropylene made via TOTAL proprietary metallocene catalyst technology.

**Applications:** Lumicene® M3766 is recommended for melt spun and spunbond fiber applications. However, due to its unique and interesting properties, other applications may exist.

**Processing:** Lumicene® M3766 is a narrower molecular weight distribution product than conventional polypropylene. Call the nearest TOTAL Petrochemicals & Refining USA Sales Office for additional information.

**Characteristics**

|   | Method             | Unit     | Typical Value |
|---|--------------------|----------|---------------|
| <b>Rheological Properties</b>           |                    |          |               |
| Melt Flow                               | D-1238             | g/10 min | 24            |
| <b>Mechanical Properties</b>            |                    |          |               |
| Tenacity                                | D-3218             | g/denier | 2.5           |
| Elongation                              | D-3218             | %        | 185           |
| <b>Thermal Properties<sup>(1)</sup></b> |                    |          |               |
| Melting Point                           | DSC <sup>(2)</sup> | °F (°C)  | 304 (151)     |
| <b>Other Physical Properties</b>        |                    |          |               |
| Density                                 | D-1505             | g/cc     | 0.9           |

**Polypropylene**

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
 (2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

