

**THERMORUN® TT860****Airbag cover resin**

PRODUCT BULLETIN

**Description**

THERMORUN® TT860 is a TPO resin specifically designed for painted airbag covers.

Key Attributes: Superior high and low temperature deployment performances, excellent processing characteristics, good stiffness and thermal stability

Typical Applications: Chute and Painted DAB, PAB, IKB, SiAB

| <b>Property</b>               | <b>Unit</b>       | TT860B3/TT860N3 | TT860B3Z/TT860N3Z | <b>Test Method</b>                                                                 |
|-------------------------------|-------------------|-----------------|-------------------|------------------------------------------------------------------------------------|
|                               |                   | USA             | China             |                                                                                    |
| Density                       | g/cm <sup>3</sup> | 0.89            | 0.89              | ISO 1183, Method A                                                                 |
| Melt Flow Rate @ 230°C/21.2N  | g/10 min          | 14              | 16                | ISO 1133                                                                           |
| Hardness (shore D)            | -                 | 40              | 39                | ISO868<br>(with a 15 sec.dwell)                                                    |
| Flexural Modulus              | MPa               | 400             | 400               | ISO 178                                                                            |
| Tensile Strength at Break     | MPa               | 11              | 11                | ISO 37<br>Type 1A, 500 mm/min                                                      |
| Elongation at Break           | %                 | 750             | 700               | ISO 37<br>Type 1A, 500 mm/min                                                      |
| Izod Impact strength [-40 °C] | KJ/m <sup>2</sup> | 82(P) *         | 80(P) *           | ISO 180                                                                            |
| Shrink Factor (MCC method)    | 1/1000            | 4-6             | 3-6               | Recommended value,<br>depending on part design,<br>gate position and<br>processing |

These values above are all typical measurement data, not specifications.

\* P stands for partial break

