

## Styron INSPIRE™,ç T710-25 ES PolyPropylene Resin DA Thermoplastic Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

### Material Notes:

Dow T710-25 ES Polypropylene Resin DA™,ç is a high impact TPO with enhanced flow, scratch and mar, and surface aesthetics for excellent molded-in-color appearance for automotive interior applications. Main Characteristics: It has a tiger stripe freeSlip agentApproved on DaimlerChrysler MS-DB500Information provided by DowThe Inspire brand was spun off from Dow Chemical to Styron in 2010

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styron-INSPIRE-T710-25-ES-PolyPropylene-Resin-DA-Thermoplastic-Polyolefin.php](http://www.lookpolymers.com/polymer_Styron-INSPIRE-T710-25-ES-PolyPropylene-Resin-DA-Thermoplastic-Polyolefin.php)

Physical Properties	Metric	English	Comments
Density	0.897 g/cc	0.0324 lb/in <sup>3</sup>	ASTM D792
Melt Flow	27 g/10 min @Load 2.16 kg, Temperature 230 °C	27 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.6 MPa	2840 psi	ISO 527-2/50
Flexural Modulus	0.9660 GPa	140.1 ksi	2 mm/min; ISO 178
Charpy Impact, Notched	0.540 J/cm <sup>2</sup> @Temperature -40.0 °C	2.57 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	ISO 179/1eA
	4.90 J/cm <sup>2</sup> @Temperature 23.0 °C	23.3 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA
Dart Drop, Total Energy	30.0 J @Temperature 23.0 °C	22.1 ft-lb @Temperature 73.4 °F	6.60 m/sec, Ductile; ASTM D3763
	46.0 J @Temperature -29.0 °C	33.9 ft-lb @Temperature -20.2 °F	6.60 m/sec, Ductile; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.2 °C	171 °F	Unannealed; ISO 75-2/Bf
Deflection Temperature at 1.8 MPa (264 psi)	47.8 °C	118 °F	Unannealed; ISO 75-2/af

## **Contact Songhan Plastic Technology Co.,Ltd.**

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