

## Dow Questra® QA805 High Heat Syndiotactic Polystyrene, 30% Glass Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Syndiotactic Polystyrene (SPS) , Syndiotactic Polystyrene (SPS) with Glass or Carbon Fiber

### Material Notes:

QUESTRA® Crystalline Polymers are semi-crystalline engineering thermoplastic resins produced from styrene monomer using a proprietary metallocene catalyst system. These syndiotactic polymers are very different from conventional styrenics in structure, and properties, exhibiting excellent heat resistance with a melting temperature of 270.C, excellent moisture and chemical resistance together with a unique combination of exceptional electrical properties, toughness and processability. QUESTRA crystalline polymers are typically used as moldings, films, and fibers in Electronic, Electrical, Automotive, Consumer and Industrial, Filtration, Optical/photographic film and Specialty fiber/non-woven markets. QUESTRA QA805 is a 30% glass filled, impact modified, high temperature resistance polymer suitable for Consumer and Industrial applications.Data provided by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Questra-QA805-High-Heat-Syndiotactic-Polystyrene-30-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Dow-Questra-QA805-High-Heat-Syndiotactic-Polystyrene-30-Glass-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ASTM Data
Water Absorption	0.010 %	0.010 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	105 MPa	15200 psi	ASTM Data
Tensile Strength, Yield	105 MPa	15200 psi	ASTM Data
Izod Impact, Notched	1.17 J/cm	2.19 ft-lb/in	ASTM Data

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	42.3 µm/m-°C	23.5 µin/in-°F	ASTM data
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	263 °C	505 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	232 °C	450 °F	Unannealed; ASTM Data
Vicat Softening Point	263 °C	505 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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