

Total PSC 535 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Heat Resistant Grade

Material Notes:

Polystyrene 535 is a high heat crystal polystyrene designed for injection molding, extrusion and blow molding. The material demonstrates excellent strength and good temperature resistance. The varied applications include electronic packaging, extruded light diffusers and office accessories. Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PSC-535-Polystyrene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Melt Flow | 4.0 g/10 min @Load 5.00 kg, Temperature 200 °C | 4.0 g/10 min @Load 11.0 lb, Temperature 392 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|-----------|-----------|
| Tensile Strength, Yield | 51.0 MPa | 7400 psi | ASTM D638 |
| Tensile Modulus | 2.96 GPa | 430 ksi | ASTM D638 |
| Flexural Strength | 96.5 MPa | 14000 psi | ASTM D790 |
| Flexural Modulus | 3.10 GPa | 450 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|--------------------------------------|
| Maximum Service Temperature, Air | 100 °C | 212 °F | Heat Distortion, Annealed; ASTM D648 |
| Vicat Softening Point | 106 °C | 222 °F | ASTM D1525 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China