

# Spartech Polycom SCR7-7006U

Polycarbonate

Spartech Polycom

Message:

Spartech SCR7-7006U is a high viscosity PC resin for injection molding that features a UV stabilizer. It is heat stabilized and lubricated for good processing characteristics.

Polycarbonate resins span a wide range of physical properties that combine to make it one of the toughest, most versatile of all engineering thermoplastics. It is well known for its exceptional impact resistance, plus it has outstanding mechanical, electrical, and optical properties.

A very versatile product for a wide variety of applications, Spartech SCR7-7006U is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

| General Information              |                                    |                   |             |
|----------------------------------|------------------------------------|-------------------|-------------|
| Additive                         | heat stabilizer                    |                   |             |
|                                  | Lubricant                          |                   |             |
|                                  | UV stabilizer                      |                   |             |
| Features                         | Impact resistance, high            |                   |             |
|                                  | Good UV resistance                 |                   |             |
|                                  | Workability, good                  |                   |             |
|                                  | Good electrical performance        |                   |             |
|                                  | Thermal Stability                  |                   |             |
|                                  | Thermal stability, good            |                   |             |
|                                  | Good toughness                     |                   |             |
|                                  | Lubrication                        |                   |             |
|                                  | Viscosity, High                    |                   |             |
| Uses                             | Electrical/Electronic Applications |                   |             |
|                                  | Industrial application             |                   |             |
|                                  | Application in Automobile Field    |                   |             |
|                                  | Sporting goods                     |                   |             |
| Appearance                       | Available colors                   |                   |             |
|                                  | Natural color                      |                   |             |
| Forms                            | Particle                           |                   |             |
| Processing Method                | Injection molding                  |                   |             |
| Physical                         | Nominal Value                      | Unit              | Test Method |
| Specific Gravity                 | 1.20                               | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)        | 6.0                                | g/10 min          | ASTM D1238  |
| Mechanical                       | Nominal Value                      | Unit              | Test Method |
| Tensile Strength (23°C)          | 62.1                               | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C) | 110                                | %                 | ASTM D638   |

|  |               |      |             |
|--|---------------|------|-------------|
| Flexural Modulus (23°C)                                  | 2340          | MPa  | ASTM D790   |
| Flexural Strength (23°C)                                 | 94.8          | MPa  | ASTM D790   |
| Impact   | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C)                               | 800           | J/m  | ASTM D256   |
| Thermal  | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 137           | °C   | ASTM D648   |
| Injection  | Nominal Value | Unit |             |
| Drying Temperature                                       | 121           | °C   |             |
| Drying Time  | 3.0 - 4.0     | hr   |             |
| Rear Temperature   | 266 - 277     | °C   |             |
| Middle Temperature                                       | 271 - 282     | °C   |             |
| Front Temperature  | 282 - 299     | °C   |             |
| Nozzle Temperature                                       | 277 - 304     | °C   |             |
| Processing (Melt) Temp                                   | 288 - 316     | °C   |             |
| Mold Temperature   | 71.1 - 93.3   | °C   |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

