

# Spartech Polycom SC6-1060U

Acrylonitrile Styrene Acrylate

Spartech Polycom

Message:

Spartech SC6-1060U is a general purpose, easy flow, ASA resin for injection molding applications. ASA resins offer great toughness and rigidity, good chemical resistance, resistance to heat deformation, good heat stability and good antistatic properties. Its unproblematic processing over a wide range of temperatures and excellent resistance to outdoor exposure, aging and yellowing add to the benefits of this product. A very versatile product for a wide variety of applications, Spartech SC6-1060U is recommended for automotive, electrical engineering, garden tools and highway engineering.

| General Information            |                                    |                   |             |
|--------------------------------|------------------------------------|-------------------|-------------|
| Features                       | Rigidity, high                     |                   |             |
|                                | Antistatic property                |                   |             |
|                                | Workability, good                  |                   |             |
|                                | Good liquidity                     |                   |             |
|                                | Good chemical resistance           |                   |             |
|                                | Good weather resistance            |                   |             |
|                                | Heat resistance, high              |                   |             |
|                                | Thermal stability, good            |                   |             |
|                                | Good toughness                     |                   |             |
|                                | General                            |                   |             |
| Uses                           | Electrical/Electronic Applications |                   |             |
|                                | Application in Automobile Field    |                   |             |
| Appearance                     | Available colors                   |                   |             |
|                                | Natural color                      |                   |             |
| Forms                          | Particle                           |                   |             |
| Processing Method              | Injection molding                  |                   |             |
| Physical                       | Nominal Value                      | Unit              | Test Method |
| Specific Gravity               | 1.07                               | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)      | 21                                 | g/10 min          | ASTM D1238  |
| Mechanical                     | Nominal Value                      | Unit              | Test Method |
| Tensile Strength (Yield, 23°C) | 47.6                               | MPa               | ASTM D638   |
| Flexural Modulus (23°C)        | 2300                               | MPa               | ASTM D790   |
| Flexural Strength (23°C)       | 61.4                               | MPa               | ASTM D790   |
| Impact                         | Nominal Value                      | Unit              | Test Method |
| Notched Izod Impact (23°C)     | 290                                | J/m               | ASTM D256   |
| Thermal                        | Nominal Value                      | Unit              | Test Method |

| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 101           | °C   | ASTM D648 |
|--|---------------|------|-----------|
| Injection  | Nominal Value | Unit |           |
| Drying Temperature                                       | 79.4          | °C   |           |
| Drying Time  | 2.0 - 4.0     | hr   |           |
| Rear Temperature   | 229 - 260     | °C   |           |
| Middle Temperature                                       | 229 - 260     | °C   |           |
| Front Temperature  | 229 - 260     | °C   |           |
| Nozzle Temperature                                       | 241 - 282     | °C   |           |
| Processing (Melt) Temp                                   | 241 - 282     | °C   |           |
| Mold Temperature   | 40.0 - 80.0   | °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

