

# Gebalon 10-141

Polycarbonate  
geba Kunststoffcompounds GmbH

Message:

high viscosity PC type  
Applications:  
technical injection molded parts for various sectors (Automotive, Electrical, Electronic, Mechanical)

| General Information                        |                                    |                        |               |
|--------------------------------------------|------------------------------------|------------------------|---------------|
| Features                                   | High Viscosity                     |                        |               |
| Uses                                       | Automotive Applications            |                        |               |
|                                            | Electrical/Electronic Applications |                        |               |
| Processing Method                          | Injection Molding                  |                        |               |
| Physical                                   | Nominal Value                      | Unit                   | Test Method   |
| Density                                    | 1.20                               | g/cm <sup>3</sup>      | ISO 1183      |
| Melt Volume-Flow Rate (MVR) (300°C/1.2 kg) | 10.0                               | cm <sup>3</sup> /10min | ISO 1133      |
| Molding Shrinkage                          | 0.40 to 1.0                        | %                      |               |
| Mechanical                                 | Nominal Value                      | Unit                   | Test Method   |
| Tensile Modulus                            | 2200                               | MPa                    | ISO 527-2/1/1 |
| Tensile Stress (Yield)                     | 57.0                               | MPa                    | ISO 527-2/50  |
| Tensile Strain (Yield)                     | 6.5                                | %                      | ISO 527-2/50  |
| Impact                                     | Nominal Value                      | Unit                   | Test Method   |
| Charpy Notched Impact Strength (23°C)      | 12                                 | kJ/m <sup>2</sup>      | ISO 179/1eA   |
| Charpy Unnotched Impact Strength (23°C)    | No Break                           |                        | ISO 179/1eU   |
| Thermal                                    | Nominal Value                      | Unit                   | Test Method   |
| Heat Deflection Temperature                |                                    |                        |               |
| 0.45 MPa, Unannealed                       | 136                                | °C                     | ISO 75-2/B    |
| 1.8 MPa, Unannealed                        | 124                                | °C                     | ISO 75-2/A    |
| Vicat Softening Temperature                | 141                                | °C                     | ISO 306/B50   |
| Injection                                  | Nominal Value                      | Unit                   |               |
| Drying Temperature - Dry Air Dryer         | 100 to 120                         | °C                     |               |
| Drying Time - Dry Air Dryer                | 2.0 to 4.0                         | hr                     |               |
| Suggested Max Moisture                     | 0.020                              | %                      |               |
| Rear Temperature                           | 250 to 270                         | °C                     |               |
| Middle Temperature                         | 270 to 300                         | °C                     |               |
| Front Temperature                          | 280 to 310                         | °C                     |               |
| Nozzle Temperature                         | 280 to 310                         | °C                     |               |
| Processing (Melt) Temp                     | 280 to 310                         | °C                     |               |
| Mold Temperature                           | 80.0 to 120                        | °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

