# Gebalon 15-141 HI

Polycarbonate

geba Kunststoffcompounds GmbH

## Message:

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

| General Information | | | |
|---|---|---|---|
| Features | High Impact Resistance<br>Medium Viscosity | | |
| Uses | Automotive Applications<br>Electrical/Electronic Applications | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.20 | g/cm³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (300°C/1.2 kg) | 15.0 | cm³/10min | ISO 1133 |
| Molding Shrinkage | 0.40 to 1.0 | % | |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 2300 | MPa | ISO 527-2/1/1 |
| Tensile Stress (Yield) | 60.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 6.0 | % | ISO 527-2/50 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (23°C) | 50 | kJ/m² | 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 |



## Recommended distributors for this material

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

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