

Gebalon 10-141 HI

Polycarbonate
geba Kunststoffcompounds GmbH

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

General Information			
Features	High Impact Resistance		
	High Viscosity		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	10.0	cm ³ /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/m ²	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	280 to 310	°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

