

PULSE™ GX50

PC/ABS Engineering Resin

Trinseo

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

PULSE GX50 is a very low gloss appearance engineering resins give exceptional impact strength even at low temperature and have sufficient heat resistance for the majority of automotive interior components. This resin provides excellent flow, has low odor & VOC values and is self colorable.

Applications: PULSE GX50 is used in a wide range of applications where low gloss appearance and low temperature toughness is required.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• Trinseo • PULSE™
Availability	• Asia Pacific • Europe • North America
Features	• Good Toughness • High Flow • High Heat Resistance • High Impact Resistance • Low Gloss • Low Temperature Impact Resistance • Low to No Odor • Low VOC
Uses	• Automotive Applications • Automotive Interior Parts
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.09 g/cm ³	1.09 g/cm ³	ISO 1183/B
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	12 g/10 min	12 g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70 %	0.40 to 0.70 %	ISO 294-4
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	290000 psi	2000 MPa	ISO 527-2
Tensile Stress (Yield, 73°F (23°C))	6240 psi	43.0 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	80 %	80 %	ISO 527-2
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	24 ft·lb/in ²	50 kJ/m ²	
73°F (23°C)	24 ft·lb/in ²	50 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	199 °F	93.0 °C	
Vicat Softening Temperature	228 °F	109 °C	ISO 306/B50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Carbon Emission	10.0 µg/g	10.0 µg/g	VDA 277
Injection	Nominal Value (English)	Nominal Value (SI)	
Processing (Melt) Temp	491 to 527 °F	255 to 275 °C	
Mold Temperature	158 to 176 °F	70.0 to 80.0 °C	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

Trinseo
USA
Telephone: 888-789-7661
Web: <http://www.trinseo.com/>

Distributor

Channel Prime Alliance
Telephone: 800-247-8038
Web: <http://www.channelpa.com/>
Availability: North America

Entec Polymers
Telephone: 800-375-5440
Web: <http://www.entecpolymers.com/>
Availability: North America

Nexeo Solutions - Europe
Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.
Telephone: +34-93-480-9125
Web: <http://www.nexeosolutions.com/>
Availability: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Russian Federation, Spain, Sweden, Switzerland, United Kingdom

PolyOne Distribution
PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.
Telephone: 800-894-4266
Web: <http://polyonedistribution.com/>
Availability: Global

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: <http://www.resinex.com/>
Availability: Europe

