

## Styron PULSE<sup>®</sup> GX50 PC/ABS Engineering Resin

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

### Material Notes:

Overview: PULSE GX50 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, and low odor & VOC values and is self colorable. Applications: PULSE GX50 is used in a wide range of applications where low temperature toughness and tailor made heat resistance is required. Information provided by Styron

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styron-PULSE-GX50-PCABS-Engineering-Resin.php](http://www.lookpolymers.com/polymer_Styron-PULSE-GX50-PCABS-Engineering-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ISO 1183/B
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ISO 294-4
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 260 °C	12 g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527-2
Tensile Strength, Yield	43.0 MPa	6240 psi	ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-2
Charpy Impact, Notched	5.00 J/cm <sup>2</sup> @Temperature -30.0 °C	23.8 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eA
	5.00 J/cm <sup>2</sup> @Temperature 23.0 °C	23.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	Unannealed; ISO 75-2/A
Vicat Softening Point	109 °C	228 °F	ISO 306/B50

Processing Properties	Metric	English	Comments
Melt Temperature	255 - 275 °C	491 - 527 °F	
Mold Temperature	70.0 - 80.0 °C	158 - 176 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Carbon Emission		10 Åµg/g	VDA 277

## Contact Songhan Plastic Technology Co.,Ltd.

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