

## Styron Pulse® 979 PC/ABS

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

### Material Notes:

PULSE® 979 is a high performance, 10% glass filled PC/ABS resin. Information provided by Dow This product line was spun off from Dow Chemical to Styron in 2010.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styron-Pulse-979-PCABS.php](http://www.lookpolymers.com/polymer_Styron-Pulse-979-PCABS.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	DIN 53479
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	DIN 53752
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, Yield	75.0 MPa	10900 psi	10 mm/min; ISO 3268
Tensile Modulus	4.00 GPa	580 ksi	1 mm/min; ISO 3268
Flexural Strength	120 MPa	17400 psi	2mm/min; ISO 178
Flexural Modulus	3.70 GPa	537 ksi	3 points and 2 mm/min; ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	ISO 180/4A
Charpy Impact Unnotched	3.00 J/cm <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	ISO 179
	3.00 J/cm <sup>2</sup> @Temperature -40.0 °C	14.3 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	ISO 179
Charpy Impact, Notched	0.500 J/cm <sup>2</sup> @Temperature -40.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	ISO 179
	0.650 J/cm <sup>2</sup> @Temperature -20.0 °C	3.09 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179
	0.700 J/cm <sup>2</sup> @Temperature 0.000 °C	3.33 ft-lb/in <sup>2</sup> @Temperature 32.0 °F	ISO 179
	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	

Mechanical Properties	Metric	English	Comments
	@ Temperature 23.0 Â°C	@ Temperature 73.4 Â°F	ISO 178

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 Âµm/m-Â°C @Temperature 0.000 - 80.0 Â°C	27.8 Âµin/in-Â°F @Temperature 32.0 - 176 Â°F	ASTM D696
Vicat Softening Point	131 Â°C	268 Â°F	50N / 50Â°C/hr; ISO 306B

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 Â°C	500 - 554 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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