

## Styron Pulse® 2100LG ABS + PC

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate (PC)

### Material Notes:

Information provided by DowThis 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-2100LG-ABS-PC.php](http://www.lookpolymers.com/polymer_Styron-Pulse-2100LG-ABS-PC.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	23°C, 24hrs; ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955
Melt Flow	4.5 g/10 min @Load 3.80 kg, Temperature 230 °C	4.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	53.8 MPa	7800 psi	ASTM D638
Tensile Strength, Yield	53.1 MPa	7700 psi	ASTM D638
Elongation at Break	125 %	125 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	2.21 GPa	320 ksi	ASTM D638
Flexural Strength	80.7 MPa	11700 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	-20°F; ASTM D256
	6.41 J/cm	12.0 ft-lb/in	73°F; ASTM D256
Dart Drop, Total Energy	57.0 J @Temperature 22.8 °C	42.0 ft-lb @Temperature 73.0 °F	ASTM D3763
	62.0 J @Temperature -28.9 °C	45.7 ft-lb @Temperature -20.0 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
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Thermal Properties	73.8 Åum/m-Å°C Metric	41.0 Åuin/in-Å°F English	Comments ASTM D696
CTE, linear	@Temperature -40.0 - 82.2 Å°C	@Temperature -40.0 - 180 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	129 Å°C	265 Å°F	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	107 Å°C	225 Å°F	unannealed; ASTM D648
Vicat Softening Point	143 Å°C	290 Å°F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	25 %	25 %	Gardner Gloss, 60Å° smooth; ASTM D542

## Contact Songhan Plastic Technology Co.,Ltd.

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