

## Styron Pulse® B-270 PC/ABS

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

### Material Notes:

Engineering 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-B-270-PCABS.php](http://www.lookpolymers.com/polymer_Styron-Pulse-B-270-PCABS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Water Absorption	0.050 %	0.050 %	23°C, 24hrs; ASTM D570
Water Absorption at Saturation	0.18 %	0.18 %	ASTM D570
Linear Mold Shrinkage	0.0065 cm/cm	0.0065 in/in	ASTM D955
Melt Flow	1.5 g/10 min @Load 3.80 kg, Temperature 230 °C	1.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.4 MPa	7450 psi	ASTM D638
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Yield Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	3.30 GPa	479 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Thickness 3.20 mm, Temperature -29.0 °C	2.06 ft-lb/in @Thickness 0.126 in, Temperature -20.2 °F	ASTM D256
	3.70 J/cm @Thickness 3.20 mm, Temperature 23.0 °C	6.93 ft-lb/in @Thickness 0.126 in, Temperature 73.4 °F	ASTM D256
Dart Drop, Total Energy	56.5 J @Thickness 3.20 mm, Temperature -29.0 °C	41.7 ft-lb @Thickness 0.126 in, Temperature -20.2 °F	ASTM D3763
	56.5 J @Thickness 3.20 mm, Temperature 23.0 °C	41.7 ft-lb @Thickness 0.126 in, Temperature 73.4 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	134 °C @Thickness 81.3 mm	273 °F @Thickness 3.20 in	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	277 - 294 °C	531 - 561 °F	
Mold Temperature	71.0 - 94.0 °C	160 - 201 °F	
Drying Temperature	98.9 °C	210 °F	
Dry Time	4 hour	4 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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