

Styron Pulse® A20-95 PC/ABS

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

Material Notes:

A medium impact strength PC/ABS blend with high heat distortion and excellent processability. 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-A20-95-PCABS.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO R1183
Water Absorption	0.20 - 0.60 %	0.20 - 0.60 %	ISO R 62
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	2.5 g/10 min	2.5 g/10 min	ISO 1133
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	9.5 g/10 min	9.5 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 250 °C	@Load 11.0 lb, Temperature 482 °F	
	15 g/10 min	15 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 260 °C	@Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	97.0 MPa	14100 psi	DIN 53459
Tensile Strength at Break	46.0 MPa	6670 psi	ISO R 527
Tensile Strength, Yield	44.0 MPa	6380 psi	ISO R 527
Elongation at Break	>= 80 %	>= 80 %	ISO R 527
Tensile Modulus	2.05 GPa	297 ksi	ISO R 527
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Flexural Modulus	2.25 GPa	326 ksi	ISO 178
Izod Impact, Notched	3.00 J/cm	5.62 ft-lb/in	ISO R 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	5.00 J/cm		

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact, Notched	1.50 J/cmÅ²	7.14 ft-lb/inÅ²	ISO R179
	@Temperature -40.0 Å°C	@Temperature -40.0 Å°F	
	2.00 J/cmÅ²	9.52 ft-lb/inÅ²	ISO R179
	@Temperature 0.000 Å°C	@Temperature 32.0 Å°F	
	2.50 J/cmÅ²	11.9 ft-lb/inÅ²	ISO R179
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 - 85.0 Åµm/m-Å°C	44.4 - 47.2 Åµin/in-Å°F	ASTM D696
	@Temperature 0.000 - 80.0 Å°C	@Temperature 32.0 - 176 Å°F	
Thermal Conductivity	0.200 W/m-K	1.39 BTU-in/hr-ftÅ²-Å°F	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	110 Å°C	230 Å°F	unannealed; ISO 75 B
Deflection Temperature at 1.8 MPa (264 psi)	96.0 Å°C	205 Å°F	unannealed; ISO 75 A
Vicat Softening Point	109 Å°C	228 Å°F	50Å°C/hr, 5 kg; ISO 306 B
	127 Å°C	261 Å°F	120Å°C/hr, 1 kg; ISO 306 A
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	20 %	20 %	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 280 Å°C	482 - 536 Å°F	
Mold Temperature	60.0 - 90.0 Å°C	140 - 194 Å°F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China