

Styron CALIBRE[®],ç 320 UV Polycarbonate Resin

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Overview: CALIBRE[®],ç 302 UV polycarbonate resin contains a proprietary UV stabilization package that combines industry standard stabilization against ultraviolet radiation with low plate-out and discoloration during processing. This will result in less downtime for cleaning and easier processing. This product is designed for co-extrusion as a 50 Åµm thick layer on standard PC for use in solid and multi-wall sheets. Main Characteristics:Very low plate-outVery high thermal stabilityVery high color stabilityInformation provided by Styron

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-CALIBRE-320-UV-Polycarbonate-Resin.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Melt Flow	7.0 g/10 min @Load 1.20 kg, Temperature 300 Å°C	7.0 g/10 min @Load 2.65 lb, Temperature 572 Å°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	72.0 MPa	10400 psi	ISO 527-2/50
Tensile Strength, Yield	70.0 MPa	10200 psi	ISO 527-2/50
Elongation at Break	150 %	150 %	ISO 527-2/50
Elongation at Yield	6.0 %	6.0 %	ISO 527-2/50
Tensile Modulus	2.50 GPa	363 ksi	ISO 527-2/1

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 Å°C	250 Å°F	Unannealed; ISO 75-2/A
	128 Å°C	262 Å°F	Annealed; ISO 75-2/A
Vicat Softening Point	139 Å°C	282 Å°F	ISO 306/B50

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