

Styron CALIBRE[®],ç 1060 DVD Polycarbonate Resin

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Overview: CALIBRE[®],ç 1060 DVD is a resin that has been developed to address the high demands of the modern optical media industry and is suitable for molding all major disc formats such as CD, DVD, Blu-Ray. This resin provides higher ductility and toughness as well as lower flow compared to CLIBRE 1080 DVD. Main Characteristics: Excellent toughness/processability balance High purity Applications: Optical storage disc Information provided by Styron

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-CALIBRE-1060-DVD-Polycarbonate-Resin.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183/B; ASTM D792
Water Absorption	0.20 % @Temperature 23.0 °C, Time 86400 sec	0.20 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62; ASTM D570
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ISO 294-4; ASTM D955
Melt Flow	58 g/10 min @Load 1.20 kg, Temperature 300 °C	58 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133; ASTM D1238

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched	5.80 J/cm @Temperature 23.0 °C	10.9 ft-lb/in @Temperature 73.4 °F	ISO 180, Method A
Izod Impact, Unnotched (ISO)	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ASTM D256; ISO 180

Optical Properties	Metric	English	Comments
Refractive Index	1.583	1.583	ASTM D542; ISO 489
Haze	<= 1.0 %	<= 1.0 %	ASTM D1003
Transmission, Visible	>= 90 %	>= 90 %	ASTM D1003

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