

CALIBRE™ 1060 DVD Polycarbonate Resin

Overview

CALIBRE™ 1060 DVD is a resin that has been developed to address the high demands of the modern optical media industry and is suitable for moulding all major disc formats - such as CD, DVD, Blu-Ray. This resin provides higher ductility and toughness as well as lower flow compared to CALIBRE™ 1080 DVD.

Main Characteristics:

- Excellent toughness/processability balance
- High purity

Applications:

- Optical storage discs

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ASTM D792 ISO 1183/B
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	58 g/10 min	58 g/10 min	ASTM D1238 ISO 1133
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3 in/in	0.50 to 0.70 %	ASTM D955 ISO 294-4
Water Absorption (24 hr, 73°F (23°C))	0.20 %	0.20 %	ASTM D570 ISO 62
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact ¹ (73°F (23°C))	11 ft·lb/in	580 J/m	ISO 180
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D256 ISO 180
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Refractive Index	1.583	1.583	ASTM D542 ISO 489
Transmittance	> 90.0 %	> 90.0 %	ASTM D1003
Haze	< 1.00 %	< 1.00 %	ASTM D1003

Additional Information

ASTM and ISO test methods may not be technically equivalent, so that data values may differ from those obtained by simple unit conversion.