

CALIBRE™ 1060 DVD

Polycarbonate Resin

Trinseo

Message:

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

General Information			
Features	High purity		
	Optical		
	Workability, good		
	Good toughness		
	ductility		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183/B
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	58	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.50 - 0.70	%	ASTM D955
Flow direction	0.50 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570, ISO 62
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹ (23°C)	580	J/m	ISO 180
Unnotched Izod Impact (23°C)	No Break		ASTM D256, ISO 180
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.583		ASTM D542, ISO 489
Transmittance	> 90.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
Additional Information			
ASTM 和 ISO 测试方法在技术上可能不相同,所以数据值可能不同于简单单位换算获得的值.			
NOTE			
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