

Ecologue™ PC-6600 M60

CHI MEI CORPORATION - Polycarbonate

General Information

Product Description

Ecologue PCR FR-PC PC-6600 M60

Product Description: 1.0mm V-0, PCR content 60%

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Recycled Content	• Post-Consumer (PCR), 60%
Resin ID (ISO 1043)	• >PC(REC60)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	10	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	8700	psi	ISO 527-2/50
Tensile Stress (Break)	8700	psi	ISO 527-2/50
Tensile Strain (Break)	120	%	ISO 527-2/50
Flexural Modulus ²	305000	psi	ISO 178
Flexural Stress ²	12300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	29	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	29	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	248	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in		V-0	
0.08 in		5VB	
0.12 in		5VA	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.079 in/min

