

Ecologue™ PC-145K M90

CHI MEI CORPORATION - Polycarbonate

General Information

Product Description

Ecologue PCR PC PC-145K M90

Product Description: 0.5mm V-2, PCR content 90%, High flow

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Recycled Content	• Post-Consumer (PCR), 90%
Features	• High Flow
Resin ID (ISO 1043)	• >PC(REC90)<

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)	35	cm ³ /10min	ISO 1133
Molding Shrinkage	0.50 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	8990	psi	ISO 527-2/50
Tensile Stress (Break)	7980	psi	ISO 527-2/50
Tensile Strain (Break)	100	%	ISO 527-2/50
Flexural Modulus ²	319000	psi	ISO 178
Flexural Stress ²	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	24	ft-lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	24	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
CLTE - Flow	3.3E-5 to 4.4E-5	in/in/°F	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.020 in)	V-2		UL 94

Notes

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

² 0.079 in/min

