

# Ecologue™ PC-115 M95

Polycarbonate  
CHI MEI CORPORATION

PROSPECTOR®

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## Technical Data

### Product Description

Ecologue PCR PC PC-115 M95

Product Description: PCR content 95%

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
UL Yellow Card <sup>2</sup>	• <a href="#">E56070-104686220</a>
Search for UL Yellow Card	• <a href="#">CHI MEI CORPORATION</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Recycled Content	• Post-Consumer (PCR), 95%
Resin ID (ISO 1043)	• >PC(REC95)<

Physical	Nominal Value Unit	Test Method
Density (23°C)	1.20 g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	14 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage	0.50 to 0.70 %	ISO 294-4

Mechanical	Nominal Value Unit	Test Method
Tensile Stress		ISO 527-2/50
Yield	62.0 MPa	
Break	53.0 MPa	
Tensile Strain (Break)	96 %	ISO 527-2/50
Flexural Modulus <sup>4</sup>	2200 MPa	ISO 178
Flexural Stress <sup>4</sup>	90.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	52 kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength (23°C)	52 kJ/m <sup>2</sup>	ISO 180/1A

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	125 °C	ISO 75-2/A
Vicat Softening Temperature	150 °C	ISO 306/A50
CLTE - Flow	6.0E-5 to 8.0E-5 cm/cm/°C	ISO 11359-2

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.5 mm)	V-2	UL 94

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>3</sup> Typical properties: these are not to be construed as specifications.

<sup>4</sup> 2.0 mm/min

