

Ecologue™ PC-540 M30

CHI MEI CORPORATION - Polycarbonate + ABS

General Information

Product Description

Ecologue PCR FR-PC/ABS PC-540 M30

Product Description: 1.5mm V-0, PCR content 30%

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Recycled Content	• Post-Consumer (PCR), 30%
Resin ID (ISO 1043)	• >PC+ABS(REC30)FR(40)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.18	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	15	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)	6530	psi	ISO 527-2/50
Tensile Strain (Break)	100	%	ISO 527-2/50
Flexural Modulus ²	348000	psi	ISO 178
Flexural Stress ²	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	19	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	19	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	181	°F	ISO 75-2/A
Vicat Softening Temperature	226	°F	ISO 306/A50
CLTE - Flow	4.4E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.9E+15	ohms	IEC 60093
Volume Resistivity	3.9E+17	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

Notes

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

² 0.079 in/min

