

## Ecologue™ PA-747 M30

CHI MEI CORPORATION - *Acrylonitrile Butadiene Styrene*

### General Information

#### Product Description

Ecologue MR ABS PA-747 M30

Product Description: Mechanical recycling, 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)	• >ABS(REC30)<		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.03	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	14	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	5220	psi	ISO 527-2/50
Tensile Stress (Break)	4350	psi	ISO 527-2/50
Tensile Strain (Break)	60	%	ISO 527-2/50
Flexural Modulus <sup>2</sup>	261000	psi	ISO 178
Flexural Stress <sup>2</sup>	8410	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	12	ft·lb/in <sup>2</sup>	
73°F	16	ft·lb/in <sup>2</sup>	
Notched Izod Impact Strength			ISO 180/1A
-22°F	11	ft·lb/in <sup>2</sup>	
73°F	15	ft·lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	180	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	207	°F	ISO 75-2/A
Vicat Softening Temperature			
--	205	°F	ISO 306/B50
--	219	°F	ISO 306/A50
CLTE - Flow	5.2E-5	in/in/°F	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 0.079 in/min

