

TECHNICAL DATA SHEET

TOYOLAC® 450Y MH5

Toray Industries, Inc.

ABS

Product Text

Product Information

This material is produced by Toray Plastics (Malaysia).

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	220	°C	
Load	10	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	3100	MPa	ISO 527
Yield stress	59	MPa	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	2830	MPa	ISO 178
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Other Properties	Value	Unit	Standard
Density	1070	kg/m ³	ISO 1183