

Toraycon® 1100M

Polybutylene Terephthalate

Toray Plastics (Malaysia) Sdn. Bhd.

Message:

Toraycon® 1100M is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific or Europe. Primary attribute of Toraycon® 1100M: RoHS Compliant.

General Information			
RoHS Compliance		RoHS Compliant	
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.31	g/cm ³	ASTM D792
--	1.32	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/1.0 kg)	31	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	59.0	cm ³ /10min	ISO 1133
Viscosity Number ¹ (0.5% OCP)	85.0	cm ³ /g	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	57.0	MPa	ASTM D638
--	60.0	MPa	ISO 527-2
Tensile Elongation			
Break	27	%	ASTM D638
Break	32	%	ISO 527-2
Flexural Modulus	2500	MPa	ASTM D790, ISO 178
Flexural Strength			
--	84.0	MPa	ASTM D790
--	87.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.4	kJ/m ²	ISO 179
Notched Izod Impact	36	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Melting Temperature	224	°C	
NOTE			

1.

Intrinsic Viscosity under
phenol/dichlorobenzen method,
1050M = 0.77 dl/g, 1100M =
0.83dl/g, 1200M = 1.08dl/g.

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