

ISO Test Method

TORAY PBT Resin TORAYCON® Base Polymer

Properties	Unit	Test method ISO	Grade 1050M	Grade 1100M	Grade 1200M	Grade 1200MF (Optical Loose Tube)
Melting Point	°C	-	224	224	224	224
Intrinsic Viscosity	dl/g	0.5wt% OCP	0.74	0.85	1.23	1.23
Density	kg/m ³	1183	1315	1315	1315	1315
Melt Volume Rate (250°C, 2.16kg)	cm ³ /10min.	1133	91	59	16	16
Tensile Strength	MPa	527-1.-2	60	60	58	58
Ultimate Elongation	%	527-1, -2	16	32	120	120
Flexural Strength	MPa	178	87	87	83	83
Flexural Modulus	GPa	178	2.5	2.5	2.4	2.4
Charpy Impact Strength (Notched)	kJ/m ²	179	3	4.4	5.1	5.1

Note:

- 1) These values are typical data for this product under specific test condition and not intended for use as limiting specifications.
- 2) Intrinsic Viscosity under phenol/dichlorobenzen method, 1050M = 0.77 dl/g, 1100M = 0.83dl/g, 1200M = 1.08dl/g.

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