

ASTM Test Method						
TORAY PBT Resin TORAYCON® Base Polymer						
Properties	Unit	Test method (ASTM)	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
Specific Gravity	kg/m <sup>3</sup>	D792	1.31	1.31	1.31	1.31
Melt Flow Index (250°C, 1kg)	g/10min.	ISO 1133	47	31	8.7	8.7
Tensile Strength	MPa	D638	55	57	54	54
Elongation at Break	%	D638	12	27	150 <	150 <
Flexural Strength	MPa	D790	81	84	82	82
Flexural Modulus	GPa	D790	2.3	2.5	2.5	2.5
Izod Impact Strength (Notched)	J/m	D256	34	36	52	52
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/dichlorobenzene method, 1050M = 0.77 dl/g, 1100M = 0.83dl/g, 1200M = 1.08dl/g.						

Toray Plastics Malaysia Sdn Bhd. (Head Office)  
 2628, MK1 SPT, Lorong Perusahaan 4 FIZ, Prai, 13600, Penang, Malaysia  
 Tel: 604-3988088 Fax: 604-3908975  
 Email : [sales.tpm@toray.com.my](mailto:sales.tpm@toray.com.my)  
[www.torayplastics.com](http://www.torayplastics.com)