

Polyplastics Duranex 3300

Category: PBT (Polybutylene Terephthalate)

Material Attribute: 30%Glass Fiber Reinforced Injection grade

Features: High strength、High stiffness、Chemical Resistant

Physical property	Standard	Value	Unit
Density	ISO 1183	1.53	g/cm ³
Water Absorption 23°C 24hr 1.00mm	ISO 62	0.1	%
Hardness	Standard	Value	Unit
Rockwell Hardness M(Scale)	ISO 2039	100	
Mechanical behavior	Standard	Value	Unit
Tensile Strength	ISO 527	140	MPa
Elongation Break	ISO 527	2.2	%
Flexural Strength	ISO 178	220	MPa
Flexural Modulus	ISO 178	9030	MPa
Charpy Notch Impact 23°C	ISO 179	10.5	kJ/m ²
Thermal	Standard	Value	Unit
HDT 1.8MPa	ISO 75	213	°C
CLE Flow 23~55°C	INTERNAL METHOD	2E-5	cm/cm/°C
CLE xFlow 23~55°C	INTERNAL METHOD	9E-5	cm/cm/°C
Electrical properties	Standard	Value	Unit
Volume Resistivity	IEC 60093	5E+16	Ω.cm
Dielectric Strength 3.0mm	IEC 60243	23	KV/mm
CTI	IEC 60112	375	V
Flammability	Standard	Value	Unit
Flame Rating All Color 0.71mm	UL94	HB	
Flame Rating All Color 1.5mm	UL94	HB	
Flame Rating All Color 3.0mm	UL94	HB	
Flame Rating All Color 6.0mm	UL94	HB	