

Polyplastics Duranex 2002

Features: High impact, High toughness, unfilled

Application: Automotive parts, Toys parts, Sports goods Applications, Decorative accessories

Physical property	Standard	Value	Unit
Density	ISO 1183	1.31	g/cm ³
Water Absorption 23°C 24hr 1.00mm	ISO 62	0.2	%

Hardness	Standard	Value	Unit
Rockwell Hardness M(Scale)	ISO 2039	90	

Mechanical behavior	Standard	Value	Unit
Tensile Strength	ISO 527	60	MPa
Elongation Break	ISO 527	50	%
Flexural Strength	ISO 178	95	MPa
Flexural Modulus	ISO 178	2630	MPa
Charpy Notch Impact 23°C	ISO 179	3.4	kJ/m ²

Thermal	Standard	Value	Unit
HDT 1.8MPa	ISO 75	70	°C
CLE Flow 23~55°C	INTERNAL METHOD	1.1E-4	cm/cm/°C
CLE xFlow 23~55°C	INTERNAL METHOD	1.1E-4	cm/cm/°C

Electrical properties	Standard	Value	Unit
Volume Resistivity	IEC 60093	5E+16	Ω.cm
Dielectric Strength 3.0mm	IEC 60243	14	KV/mm

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	