

Properties

E80

Long-lasting antistatic ABS resin (UL94 HB)

Transparence

Properties	Test methods	Test conditions	Units	
Mold shrinkage	ASTM D955	-	%	0.4-0.7
Tensile strength	ISO 527	-	MPa	40
Flexural strength	ISO 178	-	MPa	56
Flexural modulus	ISO 178	-	MPa	1800
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	15
Notched Izod impact strength	ASTM D256	23 deg C/6.4mm	J/m	150
Deflection temperature under load	ISO 75	1.80MPa	deg C	75
Deflection temperature under load	ASTM D648	1.82MPa/12.7mm	deg C	85
Coefficient of linear thermal expansion	ISO 11359	MD	X1E-5/deg C	9
Coefficient of linear thermal expansion	ISO 11359	TD	X1E-5/deg C	-
Flammability	UL94	-	-	HB
Surface resistivity	ASTM D257	-	ohm	1E12
Light transmission	ASTM D1003	3.0mm	%	86
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.10

Note

- Values are typical, not quality assured.
- UL recognition File No. of Daicel Polymer is E47773.

Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
4-5hrs 80-90deg C	210-220	220-230	210-220	180-200	60-90	10-20	40-70