

Properties

E81

Long-lasting antistatic ABS resin

Transparence, static dissipative

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/2.16kg	g/10min	18
Mold shrinkage	Daicel method	-	%	0.3-0.6
Tensile strength	ISO 527	-	MPa	35
Flexural strength	ISO 178	-	MPa	45
Flexural modulus	ISO 178	-	MPa	1500
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	11
Deflection temperature under load	ISO 75	1.80MPa	deg C	68
Deflection temperature under load	ISO 75	0.45MPa	deg C	80
Volume resistivity	ASTM D257	-	ohm*m	7E6
Surface resistivity	ASTM D257	-	ohm	6E9
Light transmission	ASTM D1003	3.0mm	%	86
Density	ISO 1183	-	g/cm3	1.12

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.

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