

Properties

E81

Long-lasting antistatic ABS resin

Transparence, static dissipative

Properties	Test methods	Test conditions	Units	
Mold shrinkage	ASTM D955	-	%	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

•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