

# NOVALLOY E series

Long-lasting antistatic ABS resin

## Technical Information

TI-05204

## Properties

### E80

Long-lasting antistatic ABS resin

Transparence

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	21
Mold shrinkage	Our standard	-	%	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	-
Surface resistivity	ASTM D257	-	ohm	1E+12
Light transmission	ASTM D1003	3.0mm	%	86
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.10

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

# Novacel Co., Ltd.

2024/07/01-0