

NOVALLOY E series

Long-lasting antistatic ABS resin

Technical Information

TI-05200

Properties

E10

Long-lasting antistatic ABS resin
Standard

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	13
Mold shrinkage	Our standard	-	%	0.4-0.7
Tensile strength	ISO 527	-	MPa	39
Flexural strength	ISO 178	-	MPa	61
Flexural modulus	ISO 178	-	MPa	2000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	28
Rockwell hardness	ISO 2039	-	-	R107
Deflection temperature under load	ISO 75	1.80MPa	deg C	78
Flammability	UL94	-	-	HB
Volume resistivity	ASTM D257	-	ohm*m	3E+9
Surface resistivity	ASTM D257	-	ohm	2E+11
Density	ISO 1183	-	g/cm3	1.06

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.
- UL recognition File No. is E47773.
- The colorant formulations are restricted for each UL certified color. Please contact us for more information.

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