

NOVALLOY E series

Long-lasting antistatic ABS resin

Technical Information

TI-05304

Properties

EG504T

Filler-reinforced flame-retardant long-lasting antistatic ABS resin

| Properties | Test methods | Test conditions | Units | |
|-----------------------------------|--------------|-----------------|-------------------|-----------|
| Mold shrinkage | Our standard | - | % | 0.2-0.3 |
| Tensile strength | ISO 527 | - | MPa | 55 |
| Flexural strength | ISO 178 | - | MPa | 88 |
| Flexural modulus | ISO 178 | - | MPa | 4800 |
| Notched Charpy impact strength | ISO 179/1eA | 23 deg C | kJ/m ² | 5.5 |
| Deflection temperature under load | ISO 75 | 1.80MPa | deg C | 90 |
| Flammability | UL94 | - | - | V-0/1.5mm |
| Surface resistivity | ASTM D257 | - | ohm | 8E+12 |
| Density | ISO 1183 | - | g/cm ³ | 1.40 |

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 | 50-80 | 10-20 | 50-80 |