

# CEVIAN-V

ABS resin

Technical Information

TI-05269

## Properties

### T500, T500SF

ABS resin

Transparence

| Properties                        | Test methods | Test conditions | Units   |         |
|-----------------------------------|--------------|-----------------|---------|---------|
| Melt mass-flow rate               | ISO 1133     | 220 deg C/10kg  | g/10min | 25      |
| Mold shrinkage                    | Our standard | -               | %       | 0.4-0.6 |
| Tensile strength                  | ISO 527      | -               | MPa     | 42      |
| Flexural strength                 | ISO 178      | -               | MPa     | 63      |
| Flexural modulus                  | ISO 178      | -               | MPa     | 2000    |
| Notched Charpy impact strength    | ISO 179/1eA  | 23 deg C        | kJ/m2   | 14      |
| Deflection temperature under load | ISO 75       | 1.80MPa         | deg C   | 68      |
| Flammability                      | UL94         | -               | -       | HB      |
| Light transmission                | ASTM D1003   | 3.0mm           | %       | 89      |
| Density                           | ISO 1183     | -               | g/cm3   | 1.09    |

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    |                      |                     |                          |
| 3-5hrs<br>80-85deg C | 210-230                   | 210-230 | 190-210 | 170-190 | 70-90                | 10-20               | 40-60                    |

**Novacel Co., Ltd.**

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