

# SITRALON 16E-V0 / C7035

Polycarbonate  
SITRAPLAS GmbH

Message:

Material: Polycarbonate  
Highlights: V0 by 1,5 mm

| General Information                        |               |           |              |
|--------------------------------------------|---------------|-----------|--------------|
| Resin ID (ISO 1043)                        | >PC<          |           |              |
| Physical                                   | Nominal Value | Unit      | Test Method  |
| Density                                    | 1.20          | g/cm³     | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)   | 18            | g/10 min  | ISO 1133     |
| Melt Volume-Flow Rate (MVR) (300°C/1.2 kg) | 16.0          | cm³/10min | ISO 1133     |
| Mechanical                                 | Nominal Value | Unit      | Test Method  |
| Tensile Modulus                            | 2400          | MPa       | ISO 527-2/1  |
| Tensile Stress                             |               |           |              |
| Yield                                      | 60.0          | MPa       | ISO 527-2/50 |
| Break                                      | 50.0          | MPa       | ISO 527-2/5  |
| Tensile Strain (Yield)                     | 8.0           | %         | ISO 527-2/50 |
| Nominal Tensile Strain at Break            | > 50          | %         | ISO 527-2/50 |
| Impact                                     | Nominal Value | Unit      | Test Method  |
| Charpy Notched Impact Strength (23°C)      | 14            | kJ/m²     | ISO 179/1eA  |
| Charpy Unnotched Impact Strength (23°C)    | No Break      |           | ISO 179/1eU  |
| Thermal                                    | Nominal Value | Unit      | Test Method  |
| Vicat Softening Temperature                | 140           | °C        | ISO 306/B50  |
| Flammability                               | Nominal Value |           | Test Method  |
| Flame Rating (1.50 mm)                     | V-0           |           | UL 94        |

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