

# P-BLEND XS100

Polycarbonate + ABS  
Putsch Kunststoffe GmbH

Message:  
PC/ABS blend with excellent impact at -40°C and improved heat resistance, good UV-stability.

| General Information                               |                         |                   |                 |
|---------------------------------------------------|-------------------------|-------------------|-----------------|
| Features                                          | Impact resistance, good |                   |                 |
|                                                   | Good UV resistance      |                   |                 |
|                                                   | Heat resistance, high   |                   |                 |
| Physical                                          | Nominal Value           | Unit              | Test Method     |
| Density                                           | 1.20                    | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)          | 25                      | g/10 min          | ISO 1133        |
| Molding Shrinkage                                 | 0.70 - 0.90             | %                 | Internal method |
| Mechanical                                        | Nominal Value           | Unit              | Test Method     |
| Tensile Stress                                    |                         |                   | ISO 527-2       |
| Yield                                             | 50.0                    | MPa               | ISO 527-2       |
| Fracture                                          | 50.0                    | MPa               | ISO 527-2       |
| Tensile Strain (Break)                            | 100                     | %                 | ISO 527-2       |
| Flexural Modulus                                  | 2500                    | MPa               | ISO 178         |
| Flexural Stress (3.5% Strain)                     | 100                     | MPa               | ISO 178         |
| Impact                                            | Nominal Value           | Unit              | Test Method     |
| Charpy Notched Impact Strength (23°C)             | 33                      | kJ/m <sup>2</sup> | ISO 179         |
| Notched Izod Impact                               |                         |                   | ISO 180         |
| -20°C                                             | 15                      | kJ/m <sup>2</sup> | ISO 180         |
| 23°C                                              | 35                      | kJ/m <sup>2</sup> | ISO 180         |
| Thermal                                           | Nominal Value           | Unit              | Test Method     |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 115                     | °C                | ISO 75-2/A      |
| Vicat Softening Temperature                       | 130                     | °C                | ISO 306/B       |
| Additional Information                            |                         |                   |                 |
| Tensile Strength, ISO 527: 50 MPa                 |                         |                   |                 |
| Injection                                         | Nominal Value           | Unit              |                 |
| Drying Temperature                                | 110                     | °C                |                 |
| Drying Time                                       | 3.0                     | hr                |                 |
| Processing (Melt) Temp                            | 265 - 270               | °C                |                 |
| Mold Temperature                                  | 60.0 - 80.0             | °C                |                 |

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