

# TEREZ PC/ASA Blend 2002

Acrylonitrile Styrene Acrylate + PC

TER HELL PLASTIC GMBH

Message:

PC/ASA Blend with high heat resistance and high notched impact strength  
For all kind of injection moulding parts

| General Information                      |                        |           |             |
|------------------------------------------|------------------------|-----------|-------------|
| Features                                 | High Heat Resistance   |           |             |
|                                          | High Impact Resistance |           |             |
| Processing Method                        | Injection Molding      |           |             |
| Physical                                 | Nominal Value          | Unit      | Test Method |
| Density                                  | 1.15                   | g/cm³     | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 40                     | g/10 min  | ISO 1133    |
| Mechanical                               | Nominal Value          | Unit      | Test Method |
| Tensile Modulus                          | 2500                   | MPa       | ISO 527-2   |
| Tensile Stress (Yield)                   | 61.0                   | MPa       | ISO 527-2   |
| Tensile Strain                           |                        |           | ISO 527-2   |
| Yield                                    | 2.6                    | %         |             |
| Break                                    | 29                     | %         |             |
| Impact                                   | Nominal Value          | Unit      | Test Method |
| Charpy Notched Impact Strength           |                        |           | ISO 179/1eA |
| -30°C                                    | 12                     | kJ/m²     |             |
| 23°C                                     | 55                     | kJ/m²     |             |
| Charpy Unnotched Impact Strength (23°C)  | No Break               |           | ISO 179/1eU |
| Thermal                                  | Nominal Value          | Unit      | Test Method |
| Heat Deflection Temperature              |                        |           |             |
| 0.45 MPa, Unannealed                     | 120                    | °C        | ISO 75-2/B  |
| 1.8 MPa, Unannealed                      | 106                    | °C        | ISO 75-2/A  |
| Vicat Softening Temperature              | 120                    | °C        | ISO 306/B50 |
| Electrical                               | Nominal Value          | Unit      | Test Method |
| Surface Resistivity                      | 1.0E+14                | ohms      | IEC 60093   |
| Volume Resistivity                       | 1.0E+15                | ohms · cm | IEC 60093   |

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