

# TEREZ PA/ABS Blend 2010/2

Acrylonitrile Butadiene Styrene + Nylon

TER HELL PLASTIC GMBH

## Message:

High impact PA/ABS blend with reduced moisture absorption and improved flowability  
For increased requirements of impact strength and low-temperature impact strength. For injection molded parts

| General Information                      |                                   |          |             |
|------------------------------------------|-----------------------------------|----------|-------------|
| Features                                 | Good Flow                         |          |             |
|                                          | Good Impact Resistance            |          |             |
|                                          | High Impact Resistance            |          |             |
|                                          | Low Moisture Absorption           |          |             |
|                                          | Low Temperature Impact Resistance |          |             |
| Processing Method                        | Injection Molding                 |          |             |
| Physical                                 | Nominal Value                     | Unit     | Test Method |
| Density                                  | 1.07                              | g/cm³    | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 20                                | g/10 min | ISO 1133    |
| Mechanical                               | Nominal Value                     | Unit     | Test Method |
| Tensile Modulus                          | 1800                              | MPa      | ISO 527-2   |
| Tensile Strain (Yield)                   | 2.5                               | %        | ISO 527-2   |
| Impact                                   | Nominal Value                     | Unit     | Test Method |
| Charpy Notched Impact Strength           |                                   |          | ISO 179/1eA |
| -30°C                                    | 25                                | kJ/m²    |             |
| 23°C                                     | 72                                | 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                     | 85.0                              | °C       | ISO 75-2/B  |
| 1.8 MPa, Unannealed                      | 65.0                              | °C       | ISO 75-2/A  |
| Vicat Softening Temperature              | 100                               | °C       | ISO 306/B50 |

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