

# TEREZ PA 6 7510 GF 45

Polyamide 6  
TER HELL PLASTIC GMBH

Message:  
PA 6 standard type with medium viscosity with 45% glass fiber filled  
For injection molding parts with high rigidity and well impact strength

| General Information                     |                                  |                   |             |
|-----------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                  | Glass Fiber,45% Filler by Weight |                   |             |
| Features                                | Good Impact Resistance           |                   |             |
|                                         | High Rigidity                    |                   |             |
|                                         | Medium Viscosity                 |                   |             |
| Processing Method                       | Injection Molding                |                   |             |
| Physical                                | Nominal Value                    | Unit              | Test Method |
| Density                                 | 1.47                             | g/cm <sup>3</sup> | ISO 1183    |
| Mechanical                              | Nominal Value                    | Unit              | Test Method |
| Tensile Modulus                         | 13700                            | MPa               | ISO 527-2   |
| Tensile Stress (Break)                  | 220                              | MPa               | ISO 527-2   |
| Tensile Strain                          |                                  |                   | ISO 527-2   |
| Yield                                   | 2.0                              | %                 |             |
| Break                                   | 3.0                              | %                 |             |
| Impact                                  | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)   | 12                               | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 75                               | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                 | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature             |                                  |                   |             |
| 0.45 MPa, Unannealed                    | 220                              | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                     | 210                              | °C                | ISO 75-2/A  |
| Electrical                              | Nominal Value                    | Unit              | Test Method |
| Comparative Tracking Index              | 550                              | V                 | IEC 60112   |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

