

Huaфон T25HP

Polyamide 66
Huaфон Group Co., Ltd.

Message:

T25 is light low viscosity resin, with good flowability.
Typical Applications
T25HP is mainly used for the spinning of short and long fibres, also can be used as compounding materials.

| General Information | | | |
|---------------------|----------------------------|--|--|
| Features | Good Flow | | |
| | Low Viscosity | | |
| Uses | Compounding | | |
| | Fibers | | |
| Appearance | Clear/Transparent | | |
| Processing Method | Compounding | | |
| | Fiber (Spinning) Extrusion | | |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|---------------|-----------------|
| Melt Mass-Flow Rate (MFR) (275°C/2.16 kg) | 110 | g/10 min | ISO 1133 |
| Particle Size | 1.50 to 2.10 | g/100 pellets | Internal Method |
| Relative Viscosity | 2.40 to 2.50 | | Internal Method |
| Water Content | < 5000 | mg/kg | Internal Method |

| Mechanical | Nominal Value | Unit | Test Method |
|-------------------------------------|---------------|------|-------------|
| Tensile Stress ¹ | 75.2 | MPa | ISO 527-2 |
| Tensile Strain ² (Break) | 67 | % | ISO 527-2 |
| Flexural Modulus ³ | 2610 | MPa | ISO 178 |
| Flexural Stress ⁴ | 98.5 | MPa | ISO 178 |

| Impact | Nominal Value | Unit | Test Method |
|--|---------------|-------|-------------|
| Charpy Notched Impact Strength ⁵ (23°C) | 5.9 | kJ/m² | ISO 179 |

| Thermal | Nominal Value | Unit | Test Method |
|--|---------------|------|--------------|
| Heat Deflection Temperature ⁶ | | | |
| 0.45 MPa, Annealed | 180 | °C | ISO 75-2/B |
| 1.8 MPa, Annealed | 63.1 | °C | ISO 75-2/A |
| Vicat Softening Temperature ⁷ | 233 | °C | ISO 306/B120 |
| Peak Melting Temperature ⁸ | 259 | °C | ASTM D3418 |

| Flammability | Nominal Value | Test Method |
|---------------------------|---------------|-------------|
| Flame Rating ⁹ | | UL 94 |
| 1.00 mm | V-2 | |

| | |
|---------|----------------|
| 1.60 mm | V-2 |
| 3.00 mm | V-2 |
| NOTE | |
| 1. | 48h/23°C/50%RH |
| 2. | 48h/23°C/50%RH |
| 3. | 48h/23°C/50%RH |
| 4. | 48h/23°C/50%RH |
| 5. | 48h/23°C/50%RH |
| 6. | 48h/23°C/50%RH |
| 7. | 48h/23°C/50%RH |
| 8. | 10°C/min |
| 9. | 48h/23°C/50%RH |

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