

# Huaфон T27

Polyamide 66

Huaфон Group Co., Ltd.

## Message:

T27 is light medium viscosity resin.

Typical Applications

T27 is broadly used in product of nylon 66 monofilament, staple, carpet yarn. as well as in compounding plastics.

| General Information                                |                   |                   |                 |
|----------------------------------------------------|-------------------|-------------------|-----------------|
| Features                                           | Medium Viscosity  |                   |                 |
| Uses                                               | Compounding       |                   |                 |
|                                                    | Monofilaments     |                   |                 |
|                                                    | Yarn              |                   |                 |
| Appearance                                         | Clear/Transparent |                   |                 |
| Processing Method                                  | Compounding       |                   |                 |
| Physical                                           | Nominal Value     | Unit              | Test Method     |
| Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)          | 66                | g/10 min          | ISO 1133        |
| Particle Size                                      | 1.40 to 2.00      | g/100 pellets     | Internal Method |
| Relative Viscosity                                 |                   |                   | Internal Method |
| Dry Chips                                          | 2.66 to 2.74      |                   |                 |
| Wet Chips                                          | 2.61 to 2.69      |                   |                 |
| Water Content                                      |                   |                   | Internal Method |
| Dry Chips                                          | < 800             | mg/kg             |                 |
| Wet Chips                                          | < 5000            | mg/kg             |                 |
| Mechanical                                         | Nominal Value     | Unit              | Test Method     |
| Tensile Stress <sup>1</sup>                        | 75.8              | MPa               | ISO 527-2       |
| Tensile Strain <sup>2</sup> (Break)                | 66                | %                 | ISO 527-2       |
| Flexural Modulus <sup>3</sup>                      | 2640              | MPa               | ISO 178         |
| Flexural Stress <sup>4</sup>                       | 99.9              | MPa               | ISO 178         |
| Impact                                             | Nominal Value     | Unit              | Test Method     |
| Charpy Notched Impact Strength <sup>5</sup> (23°C) | 6.2               | kJ/m <sup>2</sup> | ISO 179         |
| Thermal                                            | Nominal Value     | Unit              | Test Method     |
| Heat Deflection Temperature <sup>6</sup>           |                   |                   |                 |
| 0.45 MPa, Annealed                                 | 185               | °C                | ISO 75-2/B      |
| 1.8 MPa, Annealed                                  | 68.4              | °C                | ISO 75-2/A      |
| Vicat Softening Temperature <sup>7</sup>           | 240               | °C                | ISO 306/B120    |
| Peak Melting Temperature <sup>8</sup>              | 267               | °C                | ASTM D3418      |
| Flammability                                       | Nominal Value     | Test Method       |                 |
| Flame Rating <sup>9</sup>                          |                   |                   | 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 |

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



WECHAT