

## DSM Arnite® TV4 260 SN PBT-GF30 FR(17)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

### Material Notes:

30% Glass Reinforced, Flame Retardant

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DSM-Arnite-TV4-260-SN-PBT-GF30-FR17.php](http://www.lookpolymers.com/polymer_DSM-Arnite-TV4-260-SN-PBT-GF30-FR17.php)

| Physical Properties | Metric    | English                   | Comments       |
|---------------------|-----------|---------------------------|----------------|
| Density             | 1.67 g/cc | 0.0603 lb/in <sup>3</sup> | ISO 1183       |
| Water Absorption    | 0.60 %    | 0.60 %                    | Sim. To ISO 62 |
| Moisture Absorption | 0.200 %   | 0.200 %                   | Sim. To ISO 62 |

| Mechanical Properties      | Metric                 | English                    | Comments     |
|----------------------------|------------------------|----------------------------|--------------|
| Tensile Strength, Ultimate | 140 MPa                | 20300 psi                  | ISO 527-1/-2 |
| Elongation at Break        | 2.5 %                  | 2.5 %                      | ISO 527-1/-2 |
| Tensile Modulus            | 11.0 GPa               | 1600 ksi                   | ISO 527-1/-2 |
| Charpy Impact Unnotched    | 5.00 J/cm <sup>2</sup> | 23.8 ft-lb/in <sup>2</sup> | ISO 179/1eU  |
|                            | @Temperature 23.0 °C   | @Temperature 73.4 °F       |              |
| Charpy Impact Unnotched    | 5.00 J/cm <sup>2</sup> | 23.8 ft-lb/in <sup>2</sup> | ISO 179/1eU  |
|                            | @Temperature -30.0 °C  | @Temperature -22.0 °F      |              |
| Charpy Impact, Notched     | 1.00 J/cm <sup>2</sup> | 4.76 ft-lb/in <sup>2</sup> | ISO 179/1eA  |
|                            | @Temperature 23.0 °C   | @Temperature 73.4 °F       |              |
| Charpy Impact, Notched     | 1.00 J/cm <sup>2</sup> | 4.76 ft-lb/in <sup>2</sup> | ISO 179/1eA  |
|                            | @Temperature -30.0 °C  | @Temperature -22.0 °F      |              |

| Thermal Properties                          | Metric       | English        | Comments       |
|---|--------------|----------------|----------------|
| CTE, linear, Parallel to Flow               | 35.0 µm/m-°C | 19.4 µin/in-°F | ISO 11359-1/-2 |
| CTE, linear, Transverse to Flow             | 70.0 µm/m-°C | 38.9 µin/in-°F | ISO 11359-1/-2 |
| Deflection Temperature at 0.46 MPa (66 psi) | 220 °C       | 428 °F         | ISO 75-1/-2    |
| Deflection Temperature at 1.8 MPa (264 psi) | 210 °C       | 410 °F         | ISO 75-1/-2    |
|   | V-2          | V-2            |                |

| Thermal Properties | Metric              | English              | Comments        |
|--------------------|---------------------|----------------------|-----------------|
|                    | V-0                 | V-0                  | IEC 60695-11-10 |
|                    | @Thickness 0.750 mm | @Thickness 0.0295 in |                 |
|                    | @Thickness 1.60 mm  | @Thickness 0.0630 in |                 |

| Electrical Properties      | Metric                 | English                | Comments  |
|----------------------------|------------------------|------------------------|-----------|
| Volume Resistivity         | $\geq 1.00e+15$ ohm-cm | $\geq 1.00e+15$ ohm-cm | IEC 60093 |
| Dielectric Constant        | 3.4                    | 3.4                    | IEC 60250 |
|                            | @Frequency 100 Hz      | @Frequency 100 Hz      |           |
|                            | 3.4                    | 3.4                    | IEC 60250 |
|                            | @Frequency 1.00e+6 Hz  | @Frequency 1.00e+6 Hz  |           |
| Dissipation Factor         | 0.0010                 | 0.0010                 | IEC 60250 |
|                            | @Frequency 100 Hz      | @Frequency 100 Hz      |           |
|                            | 0.015                  | 0.015                  | IEC 60250 |
|                            | @Frequency 1.00e+6 Hz  | @Frequency 1.00e+6 Hz  |           |
| Comparative Tracking Index | 275 V                  | 275 V                  | IEC 60112 |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China