

## Zylog Neoplast® 180 HOFR Thermoplastic Vulcanizate

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

### Material Notes:

Neoplast 180 HOFR is a flame retardant thermoplastic vulcanizate (TPV) compound, based on polyolefin chemistry, suitable for Injection Molding and Extrusion applications. RoHS Compliant, UV Stabilized. Information provided by Zylog Plastalloys Pvt. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zylog-Neoplast-180-HOFR-Thermoplastic-Vulcanizate.php](http://www.lookpolymers.com/polymer_Zylog-Neoplast-180-HOFR-Thermoplastic-Vulcanizate.php)

| Physical Properties | Metric    | English   | Comments   |
|---------------------|-----------|-----------|------------|
| Specific Gravity    | 1.10 g/cc | 1.10 g/cc | ASTM D 792 |

| Mechanical Properties      | Metric           | English        | Comments                           |
|----------------------------|------------------|----------------|------------------------------------|
| Hardness, Shore A          | 90               | 90             | ASTM D 2240                        |
|                            | 92               | 92             | Heat Aging; ASTM D 2240/ASTM D 573 |
|                            | @Time 605000 sec | @Time 168 hour |                                    |
| Tensile Strength, Ultimate | 12.7 MPa         | 1850 psi       | 500 mm/min; ASTM D 412             |
|                            | 14.0 MPa         | 2030 psi       | Heat Aging; ASTM D 412/ASTM D 573  |
|                            | @Time 605000 sec | @Time 168 hour |                                    |
| Elongation at Break        | 550 %            | 550 %          | 500 mm/min; ASTM D 412             |
|                            | 440 %            | 440 %          | Heat Aging; ASTM D 412/ASTM D 573  |
|                            | @Time 605000 sec | @Time 168 hour |                                    |
| 100% Modulus               | 0.00931 GPa      | 1.35 ksi       | 500 mm/min; ASTM D 412             |
| Tear Strength              | 68.6 kN/m        | 392 pli        | 500 mm/min; ASTM D 624             |

| Thermal Properties               | Metric             | English              | Comments               |
|----------------------------------|--------------------|----------------------|------------------------|
| Maximum Service Temperature, Air | 130 °C             | 266 °F               | Continuous; SAE J 2236 |
| Brittleness Temperature          | -55.0 °C           | -67.0 °F             | ASTM D 746             |
| Flammability, UL94               | V-0                | V-0                  |                        |
|                                  | @Thickness 1.50 mm | @Thickness 0.0591 in |                        |
| Oxygen Index                     | 26 %               | 26 %                 | ASTM D 2863            |

| Electrical Properties | Metric          | English         | Comments   |
|-----------------------|-----------------|-----------------|------------|
| Volume Resistivity    | 3.00e+16 ohm-cm | 3.00e+16 ohm-cm | ASTM D 257 |

| Electrical Properties<br>Dielectric Constant | Metric<br>2.5 | English<br>2.5 | Comments<br>ASTM D 150 |
|----------------------------------------------|---------------|----------------|------------------------|
| Dielectric Strength                          | 30.0 kV/mm    | 762 kV/in      | ASTM D 149             |

## 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