

# TECHNO AES W250

Acrylonitrile Ethylene Styrene

Techno Polymer Co, Ltd.

## Message:

TECHNO AES W250 is an Acrylonitrile Ethylene Styrene (AES) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Good Weather Resistance

Heat Resistant

| General Information                       |                         |          |                       |
|-------------------------------------------|-------------------------|----------|-----------------------|
| Features                                  | Good Weather Resistance |          |                       |
|                                           | High Heat Resistance    |          |                       |
| Processing Method                         | Injection Molding       |          |                       |
| Physical                                  | Nominal Value           | Unit     | Test Method           |
| Density                                   | 1.06                    | g/cm³    | ISO 1183, ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 26                      | g/10 min | ISO 1133              |
| Molding Shrinkage                         | 0.40 to 0.70            | %        | ISO 294-4             |
| Hardness                                  | Nominal Value           | Unit     | Test Method           |
| Rockwell Hardness (R-Scale)               | 107                     |          | ASTM D785, ISO 2039-2 |
| Mechanical                                | Nominal Value           | Unit     | Test Method           |
| Tensile Strength                          |                         |          |                       |
| Yield                                     | 52.0                    | MPa      | ASTM D638             |
| Yield                                     | 49.0                    | MPa      | ISO 527-2             |
| Flexural Modulus                          |                         |          |                       |
| --                                        | 2600                    | MPa      | ASTM D790             |
| --                                        | 2350                    | MPa      | ISO 178               |
| Flexural Strength                         |                         |          |                       |
| --                                        | 86.3                    | MPa      | ASTM D790             |
| --                                        | 76.0                    | MPa      | ISO 178               |
| Impact                                    | Nominal Value           | Unit     | Test Method           |
| Charpy Notched Impact Strength            | 13                      | kJ/m²    | ISO 179               |
| Notched Izod Impact                       | 120                     | J/m      | ASTM D256             |
| Thermal                                   | Nominal Value           | Unit     | Test Method           |
| Deflection Temperature Under Load         |                         |          |                       |
| 0.45 MPa, Unannealed                      | 105                     | °C       | ASTM D648             |
| 0.45 MPa, Unannealed                      | 92.0                    | °C       | ISO 75-2/B            |
| Injection                                 | Nominal Value           | Unit     | Test Method           |
| Drying Temperature                        | 90.0 to 100             | °C       |                       |
| Drying Time                               | 2.0 to 5.0              | hr       |                       |

|                    |              |    |
|--------------------|--------------|----|
| Rear Temperature   | 220 to 270   | °C |
| Middle Temperature | 220 to 270   | °C |
| Front Temperature  | 220 to 270   | °C |
| Mold Temperature   | 40.0 to 80.0 | °C |

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

