

Wanthane® WHT-1164IC

TYPE Polyester-based grade Extrusion and injection molding grade

FEATURES Excellent mechanical properties, high abrasion resistance, good wear resistance, short cycle times

Applications Shoe heels, Injection-molded engineering components, wire & cable, etc

| Typical Properties* | | Test Method | Units | Values |
|-------------------------------------|-------------|-------------|-------------------|--------|
| Specific Gravity | | ASTM D 792 | g/cm ³ | 1.21 |
| Shore Hardness | | ASTM D 2240 | Shore A | - |
| | | ASTM D 2240 | Shore D | 64 |
| Tensile Strength at 100% Elongation | | ASTM D 412 | MPa | 26 |
| Tensile Strength at 300% Elongation | | ASTM D 412 | MPa | 40 |
| Tensile Strength | | ASTM D 412 | MPa | 45 |
| Ultimate Elongation | | ASTM D 412 | % | 340 |
| Tear Strength | | ASTM D 624 | N/mm | 225 |
| DIN Abrasion | | ISO 4649 | mm ³ | 45 |
| Compression | 22 h; 70 °C | ASTM D 395 | % | 68 |
| | 24 h; 23 °C | ASTM D 395 | % | 25 |
| Tg by DSC | | ASTM D 3418 | °C | -9 |
| Vicat Softening Temperature | | ASTM D 1525 | °C | 120 |

*All these physical properties are based on injection molded samples , which are conditioned at 23 °C / 50% for 24h.

Above values are typical values and should not be used as specifications.

Disclaimer

The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user ' s responsibility to test the material and its suitability for a process. We have no control over what another party ' s action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with question on our products.