

Wanthane® WHT-1695AB

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1695AB is polyester-based TPU for extrusion molding applications, including blow molding and T-die extrusion, supplied in form of transparent, translucent, colorless or slightly yellowish film with excellent strength and tear resistance.

Applications:

Package, Exterior Decoration Parts, Fabric Coating.

| General Information | | | |
|------------------------------|-----------------------------|-------------------|-------------|
| Features | Good strength | | |
| | Good tear strength | | |
| Uses | Packaging | | |
| | Coating application | | |
| | Fabric | | |
| | Decorative parts | | |
| Appearance | Translucent | | |
| | Transparent-Slightly Yellow | | |
| | Colorless | | |
| Forms | Films | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.21 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 95 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% strain | 11.0 | MPa | ASTM D412 |
| 300% strain | 19.0 | MPa | ASTM D412 |
| Tensile Strength | 30.0 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 490 | % | ASTM D412 |
| Tear Strength | 122 | kN/m | ASTM D624 |
| Thermal | Nominal Value | Unit | Test Method |
| Glass Transition Temperature | -25.0 | °C | ASTM D3417 |
| Optical | Nominal Value | Unit | Test Method |
| Transmittance | 88.0 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Drying Temperature | 80.0 - 110 | °C | |

| | | |
|-----------------------|-----------|----|
| Drying Time | 2.0 - 3.0 | hr |
| Cylinder Zone 1 Temp. | 190 | °C |
| Cylinder Zone 2 Temp. | 195 | °C |
| Cylinder Zone 3 Temp. | 200 | °C |
| Cylinder Zone 4 Temp. | 205 | °C |
| Cylinder Zone 5 Temp. | 205 - 210 | °C |

Extrusion instructions

Extruder Feed Section: 185

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

