

Wanthane® WHT-1485RV

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1485RV is polyester-based TPU for injection molding extrusion and casting applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with Excellent strength , resilience and abrasion resistance

Applications:

Film, Compounding, Shoes etc

| General Information | |
|---------------------|-----------------------------|
| Features | Good Abrasion Resistance |
| | Good Strength |
| | Resilient |
| Uses | Compounding |
| | Film |
| | Footwear |
| Appearance | Colorless |
| | Translucent |
| | Transparent - Slight Yellow |
| Forms | Pellets |
| Processing Method | Casting |
| | Extrusion |
| | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|------------------------------|---------------|-------------------|-------------|
| Density | 1.19 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 85 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% Strain | 5.00 | MPa | |
| 300% Strain | 9.00 | MPa | |
| Tensile Strength | 30.0 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 500 | % | ASTM D412 |
| Tear Strength | 85.0 | kN/m | ASTM D624 |
| Thermal | Nominal Value | Unit | Test Method |
| Glass Transition Temperature | -30.0 | °C | ASTM D3417 |
| Injection | Nominal Value | Unit | |

| | | |
|-----------------------|---------------|------|
| Drying Temperature | 90.0 to 110 | °C |
| Drying Time | 2.0 to 3.0 | hr |
| Rear Temperature | 180 | °C |
| Middle Temperature | 185 | °C |
| Front Temperature | 190 | °C |
| Nozzle Temperature | 195 | °C |
| Injection Pressure | 70.0 | MPa |
| Extrusion | Nominal Value | Unit |
| Drying Temperature | 90.0 to 110 | °C |
| Drying Time | 2.0 to 3.0 | hr |
| Cylinder Zone 1 Temp. | 170 | °C |
| Cylinder Zone 3 Temp. | 180 | °C |
| Cylinder Zone 5 Temp. | 185 | °C |
| Die Temperature | 180 | °C |

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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

