

## Wanthane® WHT-8180RV

**TYPE** Polyether-based grade Extrusion, injection molding, calendaring, compounding grade

**FEATURES** Excellent hydrolytic stability, fungus resistance, good low-temperature flexibility, complies with FDA(21 CFR 177.1680, 177.2600), ROHS, ISO 10993 & USP VI

**Applications** Wire & cable, medical products, compounds, etc.

Typical Properties*		Test Method	Units	Values
Specific Gravity		ASTM D 792	g/cm <sup>3</sup>	1.10
Shore Hardness		ASTM D 2240	Shore A	80
		ASTM D 2240	Shore D	-
Tensile Strength at 100% Elongation		ASTM D 412	MPa	6
Tensile Strength at 300% Elongation		ASTM D 412	MPa	10
Tensile Strength		ASTM D 412	MPa	25
Ultimate Elongation		ASTM D 412	%	650
Tear Strength		ASTM D 624	N/mm	80
DIN Abrasion		ISO 4649	mm <sup>3</sup>	58
Compression	22 h; 70 °C	ASTM D 395	%	55
Set	24 h; 23 °C	ASTM D 395	%	23
Tg by DSC		ASTM D 3418	°C	-45
Vicat Softening Temperature		ASTM D 1525	°C	67

\*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.