

Wanthane® WHT-1172IC

TYPE Polyester-based grade Injection molding grade

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

Applications Rigid / flexible composite systems, engineering components, etc

Typical Properties*		Test Method	Units	Values
Specific Gravity		ASTM D 792	g/cm ³	1.22
Shore Hardness		ASTM D 2240	Shore A	-
		ASTM D 2240	Shore D	72
Tensile Strength at 100% Elongation		ASTM D 412	MPa	28
Tensile Strength at 300% Elongation		ASTM D 412	MPa	-
Tensile Strength		ASTM D 412	MPa	48
Ultimate Elongation		ASTM D 412	%	285
Tear Strength		ASTM D 624	N/mm	260
DIN Abrasion		ISO 4649	mm ³	42
Compression	22 h; 70 °C	ASTM D 395	%	76
	24 h; 23 °C	ASTM D 395	%	40
Tg by DSC		ASTM D 3418	°C	-9
Vicat Softening Temperature		ASTM D 1525	°C	130

*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.