

Technical Data Sheet

Revision Date: 2017-04-22

Name: WHT-3390U1

NO.WHPU_0001

Version: 6.0

Type

Polyester-based grade, injection molding grade.

Features

Excellent mechanical properties, short cycle times.

Applications

Screen packs.

Typical Properties

Items	Test Method	Units	Values
Shore Hardness	ASTM D2240	Shore A	92
Tensile Strength at 100% Elongation	ASTM D412	MPa	9.5
Tensile Strength at 300% Elongation	ASTM D412	MPa	15
Tensile Strength	ASTM D412	MPa	35
Ultimate Elongation	ASTM D412	%	600
Tear Strength	ASTM D624	N/mm	130

*All these physical properties are based on injection molded samples, which are conditioned at 23 ℃/50% for 24h. Above values are typical values and should not be used as specifications.

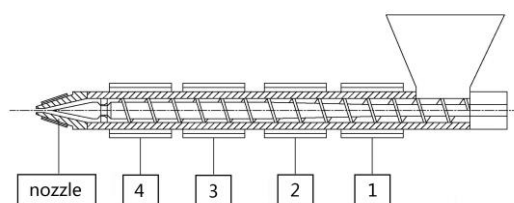
Processing Recommendations

Based on our experience, the features of recommended screw are the following:

1. L/D ratio between 18:1 and 22:1 for injection molding
2. Main power is at least 1.5 times higher than that for PVC and other common plastics.

Typical Processing Conditions

Wanthane® WHT-3390U1 can injection-molded. Typical processing conditions are listed in the following table and figure. You can contact our [technical service](#) for further inquiries about products or troubleshooting.



	Zone1	Zone2	Zone3	Zone4	Nozzle	Mold
℃	220	215	210	205	205	30

Drying

Wanthane® materials are supplied pre-dried in moisture guarded bags. Dry Wanthane® will rapidly absorb moisture when exposed to atmosphere. For recyclable products, Wanthane® WHT-3390U1 must be dried before processing. It is recommended to dry the material at 85-90 ℃ for 3-4 h in a circulating air or dehumidified air dryer. The moisture content must be lower than 0.02% before and during processing.

Packaging

Wanthane® WHT-3390U1 is packaged in the form of uncolored transparent pellets in PE-lined bags of 25 Kg net weight (1000 Kg/pallet).

Storage

Wanthane® should be inspected to assure containers are not broken during transportation. Containers should be stored in a cool and dry environment, and should be brought to room temperature before opening in order to prevent condensation. Once being used, containers with residual materials should be sealed. It is necessary to cover the feed hopper of the processing machine.

Health and Safety

Wanthane® materials have no hazardous reactions observed. The waste can be discarded to public garbage cans. When contacting or processing this product, it is recommended that all personnel wear eye/face protection and suitable protective clothing. Any further safety information about this product is available in our [technical service](#) center.

For more information about safety and environment, please refer to our MSDS or contact our customer service center.

Version Information:

Date of first issue: June 6, 2013.

Date of 1st revise: Feb 6, 2015 Reason for revision: The need of product classification.

Date of 2nd revise: May 5, 2015 Reason for revision: A change of company address.

Date of 3rd revise: Aug.18, 2015 Reason for revision: Unified the template of TDS.

Date of 4th revise: May 31, 2016 Reason for revision: Change of product standard.

Date of 5th revise: Apr. 22, 2017 Reason for revision: Change of company LOGO.

For further information please contact us:

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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 does with the material and we cannot take any responsibility for 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 questions on our products.