

Technical Data Sheet



W V C O

Willamette Valley Company

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Partnering through service,
innovation, and integrity

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PT1000

Urethane Potting Material for Aluminum Forms

DESCRIPTION

PT-1000 is a low viscosity, two-component polyurethane compound that cures into a hard elastomer. The cured resin has excellent physical properties. Some of its uses include casting, prototype part making and potting of electrical components. It is non-MOCA, non-TDI based compound.

WHERE TO USE

- Cast Elastomers
- Special Applications
- Encapsulation

FEATURES AND BENEFITS

- Quick Set Time – fast production
- Meter Dispensed – accurate ratio
- Zero VOC – environmentally friendly
- Safe to use—non-MOCA/TDI

PACKAGING

Drums

SHELF LIFE

Up to six months when properly stored.

STORAGE

Store this product in a clean, dry, shaded or covered environment between 75-95°F (24-35°C). Resin may separate in storage. Mix prior to use. Once opened, purge with Nitrogen before resealing.

TECHNICAL INFORMATION

TYPICAL PROPERTIES	
Hardness, Shore D, ASTM D 2240	40
Viscosity, cps, ASTM D 4878, Resin / ISO	550 / 1060
VOC, lbs/gal (g/L), ASTM D 2369	0
Working Time - seconds	30
Tack Free Time - seconds	35
Full Cure Time at 75°F (24°C) - days	7
Application Temperature	Ambient
Odor	None
Colors*	Black

*Custom colors available dependent on quantity requested

APPLICATION

General Application: Meter dispensing is recommended to produce void-free casting. Willamette Valley Company has a full line of dispensing equipment with service contracts available.

Small amounts may be mixed by hand at a ratio of 120 g Resin to 100 g ISO; mix thoroughly for 15 seconds and pour into mold. For void-free casting a meter is recommended. Contact your WVCO service representative for information concerning your specific requirements.

CLEAN-UP

All equipment and containers should be cleaned after each use with cleaning solvents.

NOTES

This product is supplied to the customer in a ready-to-use form. Addition of any substance may result in degradation of the product performance.

CONTACT INFORMATION

Please see the side bar on the front page for the Division nearest to your location.

HEALTH AND SAFETY

Before handling, you should become familiar with the Material Safety Data Sheet (MSDS) regarding the risks and safe use of this product. To obtain an MSDS please call 800-333-9826 or send an email to: msds@wilvaco.com.

WILLAMETTE VALLEY COMPANY

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