

Technical Data Sheet



W V C O

Willamette Valley Company

www.wilvaco.com

800.333.9826

Partnering through service,
innovation, and integrity

WESTERN DIVISION

660 McKinley Street

Eugene OR 97402

Tel. 800.333.9826

EASTERN DIVISION

6662 Marbut Road

Lithonia GA 30058

Tel. 888.878.9826

MIDWEST DIVISION

1549 Hwy 2

Two Harbors MN 55616

Tel. 218 834 3922

SOUTHERN DIVISION

100 Dixie Mae Drive

Pineville LA 71361

Tel. 800 444 9826

Max Cast CE-55D

Two-Component Polyurethane for Casting

DESCRIPTION

CE-55D is a hard, two-component polyurethane compound. The cured resin has excellent physical properties. Some of its uses include casting, prototype part making and potting of electrical components. It is easy to use and does not contain MOCA or TDI.

WHERE TO USE

- Industrial Casting Applications
- Potting Electrical Components
- Molding Prototypes

FEATURES AND BENEFITS

- Low Viscosity – easier pour or injection
- Excellent Physical Properties
- Versatile – meter or hand mixing
- Self-leveling – for use in open top molds

PACKAGING

- 2 5-gallon pail kits
- 2 Drum kits

SHELF LIFE

12 months when properly stored.

STORAGE

Store this product in a clean, dry, shaded or covered environment between 75-95°F (24-35°C). DO NOT FREEZE.

TECHNICAL INFORMATION

TYPICAL PROPERTIES

UNCURED	Resin	Iso
Viscosity, centipoise	800 +/- 100	725 +/- 175
Specific Gravity, g/cc	1.028	1.214
Color	Clear	Pale Yellow
Mix Ratio, by weight	133	100

MIXED

Hardness, Shore D	55 +/- 5
Tensile Strength, psi	3500
Elongation, %	110
Die C Tear, pli	350
Trouser Tear, pli	75
Colors	Clear Amber (others available)

PROCESSING

Pot Life –seconds at 77°F (25°C) in 50 g (Slowed pot life material available)	250
Chemical Temperature, °F (°C)	80-95 (27-35)
Demold Time, minutes	10
Cure Schedule 150° F (65° C), hours	16

PROCESSING

Small Amounts may be mixed by hand; however, for void-free casting, vacuum degas at 2mm Hg. Machine dispensing eliminates the need for degassing. Contact your Willamette Valley Company representative for metering applications.

CHEMICAL HANDLING

CE-55D resin may separate upon standing. Mix prior to use. To avoid contaminating resin or isocyanate with moisture, purge drums with nitrogen before resealing.

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.

CONTACT INFORMATION

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

WILLAMETTE VALLEY COMPANY

www.wilvaco.com
info@wilvaco.com

OTHER DIVISIONS

PERFORMANCE COATINGS

1075 Arrowsmith Street
PO Box 2280
Eugene OR 97402
Tel 541.484.9621
www.POLYQUIK.com
www.wvcorailroad.com

PRECISION TECHNOLOGIES DIVISION

675 McKinley Street
Eugene OR 97402
Tel 541.484.2368
www.pre-tec.com

SUBSIDIARIES

CANADIAN WILLAMETTE

19081- 27th Avenue
Surrey BC V3S 5T1
Tel. 800.663.4298

ECLECTIC PRODUCTS INC.

Corporate Office
1075 Arrowsmith Street
Eugene OR 97402
Tel 541.284.4667
www.eclecticproducts.com

IDAHO MILL & GRAIN

445 North 430 West Hwy
PO Box 188
Malad City Idaho 83252
Tel 208.766.2206

TAPEL WILLAMETTE LTD. S.A.

Av. Estero La Posada 3625
Parque Industrial Coronel
Coronel Chile
Tel 011.56.41.2.928.100
www.tapel.cl

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