

Technical Data Sheet



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-43D

Two-Component Polyurethane for Casting

DESCRIPTION

CE-43D is a hard, low viscosity, two-component polyurethane compound. The cured resin has excellent physical properties. Max Cast CE-43D is used for casting, prototype part making, and potting of electrical components. It is easy to use and is non-MOCA, non-TDI based compound.

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

5-gallon pail set (37.8L)
50-gallon drum set (378L)

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.

TYPICAL PROPERTIES

Unmixed Components		Resin	Iso
Viscosity, cP		300	100
Density, lbs/gal (kg/L)		8.7 (1.04)	10.2 (1.22)
Color		Blue	Pale Yellow
Mix Ratio	By Weight (kg)	12.7 (5.76)	10 (4.54)
	By Volume	3	2

Mixed Material	Result	Method
Gel Time, minutes at 77°F (25°C)	2	ASTM C881
Demold Time, minutes at 77°F (25°C)	5	--
Maximum Tensile Stress, psi Overnight 70°C cure	4,000	ASTM D412, 0.2in/min rate
Ultimate Elongation, % Overnight 70°C cure	90	ASTM D412, 0.2in/min rate
Shore D Hardness Overnight ambient cure	73-75	ASTM C661
Color	Blue	--

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-43D 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 Safety Data Sheet (SDS) regarding the risks and safe use of this product. To obtain an SDS 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

CANADIAN DIVISION SURREY BRANCH

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

SUBSIDIARIES

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



DISCLAIMER OF WARRANTY

TEST RESULTS ARE TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION AND SHOULD NOT BE TREATED AS SPECIFICATIONS. WHILE ALL THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST AVAILABLE DATA ON THESE PRODUCTS, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE.

W07-R&D-TDS-006

REV: R01

01 February 2016