



Technical Data Sheet

VORACOR CS 1888 Polyol **VORACOR CS 1164** Isocyanate

Description

VORACOR* CS 1888 Polyol is designed for the production, by pouring technology, of polyurethane rigid foams with applied density of 140-150 Kg/m³:
The foams obtained by polymerization of Voracor CS 1888 Polyol and Voracor CS 1164 Isocyanate are suitable to realize wood imitation items such as decorative cornices and thin decorative items.
VORACOR CS 1888 Polyol doesn't contain any physical blowing agent.

Typical Component Properties

	Units	VORACOR™ CS 1888 Polyol	VORACOR™ CS 1164 Isocyanate	Test Method
OH Number	mg OH/g	422		ASTM D 4274d
NCO Content	%		31	ASTM D 5155
Viscosity, 25 °C	mPa.s	1250	200	ASTM D 4878
Specific Gravity, 25 °C		1.068	1.23	

These are typical values and should not be construed as specifications.

Recommended Process Conditions

The temperature of the polyol should be between 28 and 32 °C. The temperature of the isocyanate should be between 20 and 25 °C.

	Units	Limits
VORACOR™ CS 1888 Polyol	pbw	100
VORACOR™ CS 1164 Isocyanate	pbw	135-145
Demolding time	min	9-12

Typical Reaction Characteristics

Handmix	Units	Hand mix	Method
Cream time, 25 °C	s	19-22	DOW Internal Method
Gel time, 25 °C	s	70-73	DOW Internal Method
Rise time, 25 °C	s	128-132	DOW Internal Method
Free rise density, 25 °C	kg/m ³	59-62	DOW Internal Method

These are typical values and should not be construed as specifications.

Handling and Storage

	Units	VORACOR™ CY 3236 Polyol	VORACOR™ CY 3001 Isocyanate
Storage temperature	°C	15-25	15-25
Storage stability / Shelf life ⁽¹⁾	months	6	6

1. Stored in the original sealed drums in a dry place at the recommended temperature

Typical Polymer Properties

Related to molded polymer with 2 skins, thickness 20 mm

	Units	Limits	Test Method
Working ratio	Pbw	100/140	
Applied density	kg/m ³	140	ASTM D1622
Skin hardness	Shore D	13	ASTM D 2240

These are typical values and should not be construed as specifications

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Contact information:

For more information about this product please call The Dow Chemical Company.

North America: 1-800-447-4369
Latin America: (+55) 11-5184-8722
Europe: (+31) 11-567-2626
Asia/Pacific: (+60) 3-7965-5392

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