

# Oxymer<sup>®</sup> C112

## Development product



### Description

- Oxymer<sup>®</sup> C112 is a non-crystalline polymer with a molecular weight of approximately 1000 g/mole.
- It is a viscous liquid at room temperature having a  $T_g$  of  $-33\text{ }^{\circ}\text{C}$ .
- Oxymer<sup>®</sup> C112 is an aliphatic polycarbonate diol which can be used to build UV resistant, weatherable and hydrolysis resistant coatings.
- It improves the chemical resistance of coatings.

### Applications

- Polyurethane dispersions
- Polyurethanes
- Elastomers and TPU
- Chemical building block

### Delivery forms

- Oxymer<sup>®</sup> C112 is supplied in 200 kg drums.

### Sales specification

Hydroxyl number, mg KOH/g <sup>1</sup>	104 - 120
Water content, % <sup>2</sup>	Max. 0.1

### Typical properties

Colour, APHA <sup>3</sup>	80
Ash content (as sodium), ppm <sup>4</sup>	150
Viscosity (40 $^{\circ}\text{C}$ , 30 $\text{s}^{-1}$ ), Pas <sup>5</sup>	40

#### Analytical Method

<sup>1</sup> PO 100-9, <sup>2</sup> PO 109-2, <sup>3</sup> PO105-4, <sup>4</sup> PO103-15, <sup>5</sup> PO120-3

Analytical methods are available on request

#### REACH Exempt Polymer

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