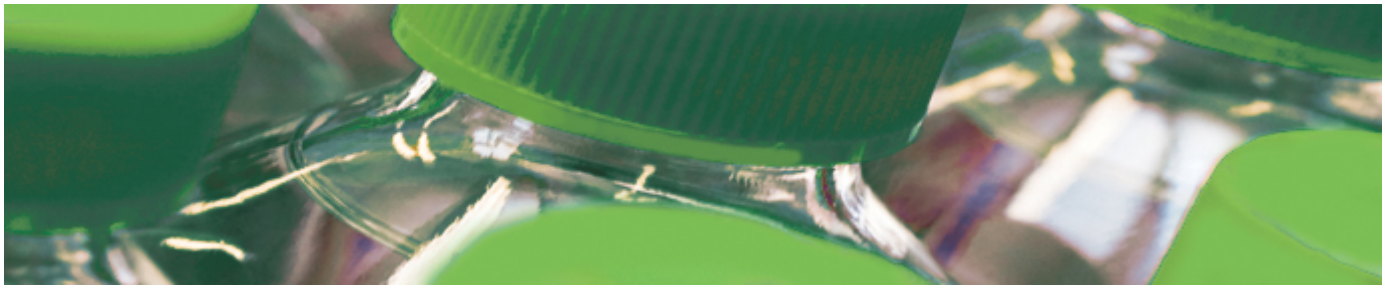
Oxymer® M112

Development product



Description

- Oxymer® M112 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 -23°C.
- Oxymer® M112 is a hydrophobic macrodiol improving water and hydrolysis resistance in coatings.
- It is an aliphatic polycarbonate diol which can be used to build UV resistant and weatherable coatings.
- Oxymer® M112 has low surface energy beneficial for good wetting characteristics.
- It improves the chemical resistance of coatings.

Applications

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

Delivery forms

- Oxymer® M112 is supplied in 200 kg drums.

Sales specification

Hydroxyl number, mg KOH/g [1]	104-120
Water content, % [2]	Max. 0.1

Typical properties

Ash content (as sodium), ppm [3]	150
Colour, APHA [4]	80
Viscosity (40°C, 30 s-1), Pas [5]	20

Analytical Method
[1] PO 100-9, [2] PO 109-2, [3] PO103-15, [4] PO105-4, [5] PO 120-3
Analytical methods are available on request

REACH Exempt Polymer
HS no.: 3907 40

Valid from: April 27, 2009/a
Supersedes: April 25, 2007