

# Oxymer™ M112

## Unique polycarbonate diol

### Product Description

Oxymer™ M112 is a non-crystalline polymer with a molecular weight of approximately 1000 g/mol. It is a viscous liquid at room temperature having a Tg of -23°C. The hydrophobic properties of Oxymer™ M112 improves water and hydrolysis resistance as well as chemical resistance in applications. Further, Oxymer™ M112 is aliphatic which makes it useful for UV and weatherable applications.

### Segment Applications

Urethane acrylate oligomers, Polyurethanes, Chemical building block

### Delivery Forms

Steel drums 200 kg, 800 kg/pallet



# Oxymer™ M112

Unique polycarbonate diol

## Sales Specification

| Characteristics | Unit     | Specification | Analytical Method <sup>1</sup> |
|-----------------|----------|---------------|--------------------------------|
| Hydroxyl number | mg KOH/g | 104 - 120     | PO 100-9                       |
| Water content   | %        | Max. 0.1      | PO 109-2                       |

1. Analytical methods are available on request

## General Characteristics

| Characteristics                        | Unit | Typical Value <sup>1</sup> |
|--|------|----------------------------|
| Viscosity (40 °C, 30 s <sup>-1</sup> ) | Pas  | 20                         |
| Color                                  | APHA | 30                         |
| Ash content (as sodium)                | ppm  | 30                         |

1. Typical values are for information only and not part of sales specification

## Handling and Storage

Perstorp recommends storing Oxymer™ in sealed containers at ambient temperature, in a dry area protected from direct sunlight and the elements. When stored as recommended, temperatures up to 35°C should present no problems. When drums are opened, and the product is exposed to air, moisture can be absorbed by the product.

HS No.: 3907 40  
REACH exempt polymer

Effective date: December 4, 2020

USERS ARE ADVISED TO MAKE THEIR OWN INDEPENDENT DETERMINATION OF THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE. EXCEPT FOR WHAT IS STATED IN PERSTORP'S GENERAL CONDITIONS OF SALE OR SEPARATELY IN A WRITTEN CONTRACT WITH PERSTORP, NO INFORMATION PROVIDED IN THIS DATA SHEET CONSTITUTES A WARRANTY (EXPRESS OR IMPLIED) BY PERSTORP, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.