

Product code: 419692

DOMOPOL 6068 60 X

Hydroxyl-bearing Polyester Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	17 - 25 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	80 - 120 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	2250 - 3250 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1.0 kg/L
Flash point	26 °C
Hydroxyl content on solid	3%
Water content	0.2 wt.%

Solubility:

Soluble in Solvesso 100, xylene, acetone, ethyl acetate, Butyl acetate, 1-Methoxypropylacetate-2, Methyl isobutyl ketone.

Compatibility:

- » Compatible with isocyanate resins: Desmodur L, Desmodur HL, Desmodur N and other binders: Domopol 6181 75 X, Domopol 6067 80 BAc.
- » Limited compatibility or incompatible with Domopol 6080, Domopol 6011, Domopol 6051 67 X/MPA and Domacryl hydroxy resins.

Applications:

- » Domopol 6068 60 X is used as a hard co-reactant with isocyanate resins.
- » These combinations are particularly suitable for use in the formulation of air-drying automotive and industrial coating. They make hard, tough, but flexible as well as glossy coatings for metal with good outdoor durability and lightfastness.
- » Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.
- » The best results are achieved in the region of the theoretical mixing ratio with isocyanate. Over and under- crosslinking is possible within certain limits.
- » To accelerate the reaction, organic catalysts can be used: DEAE, DBTD or Zn octoate.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

Note: The information contained herein is provided in good faith and is to the best of our knowledge accurate, but we assume no liability for its accuracy or completeness. Therefore, the buyer is advised to determine the suitability of this product for the intended use. We retain the right to make any changes according to technological progress or further developments. For safety information please refer to the current Material Safety Data Sheet.

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