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 ºC	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.%
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	33%

Remarks:

The share of ISCC PLUS certified material is determined individually for each delivery based on the applicable mass balance allocation and is specified in the corresponding Sustainability Declaration. The validity of the ISCC PLUS certificate can be verified via the official website (https://iscc-system.org/).

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.

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- 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.

Disclaimer
This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at www.helios.si. Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.