Product code: 417979

DOMOPOL 6067 80 BAc

Saturated Polyester Resin (Polyester Polyol)

Specification:

Property	Range	Method / According to standard
Non-volatile matter	79 - 81%	MH1155 / ISO 3251
Acid value on solid resin	max. 2 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	130 - 160 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	1800 - 2600 mPa·s	MH1007 / ISO 3219
Colour	max. 150 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1.2 kg/L
Flash point	32 °C
Hydroxyl content on solid	4.4%
Water content	0.1 wt.%
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	10%

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 xylene, acetone, ethyl acetate, methoxy propyl acetate, methyl isobutyl ketone.
- Limited solubility in Solvesso 100.

Compatibility:

- Compatible with isocyanate resins: Desmodur N75, Desmodur 3390 and other binders: Vinyl VAGH, Domopol 6181 75X, Domopol 6080, Domopol 6011.
- Limited compatibility with CAB 551-0.2, nitrocellulose, ester soluble, Domopol 6051 67 X/MPA, Domopol 6068 60 X.
- Limited compatibility or incompatible with Domacryl hydroxy resins.

Applications:

- Domopol 6067 80 BAc is used in the formulation of coatings for metal and plastics. It is used as a co-reactant with isocyanate resins in the formulation of air- drying two-pack systems with excellent low-temperature flexibility and superior outdoor durability. It can also be added to other two-pack PUR systems to improve their flexibility.
- 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.

Copyright © Helios Resins & Atcoat | **www.resinshelios.com** | **www.atcoat.com**
Issue Date: October 2026

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. Domopol 6067 80 BAc may, due to low temperatures or long storage, become turbid. Heating to around 40 °C or adding solvent will re-homogenise the product.

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.