TECHNICAL DATA SHEET

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.%

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.

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.

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