Product code: 418960

DOMACRYL 536 60 SA

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	max. 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	75 - 100 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	2300 - 3300 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	40 °C
Hydroxyl content on solid	2.7%
Water content	max. 0.1 wt.%

Solubility:

Soluble in aromatic solvent 100, aromatic solvent 150, xylene, toluene, acetone, ethyl acetate, n-butyl acetate, n-butanol, methoxy propyl acetate and methyl isobutyl ketone.

Compatibility:

Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur Z 4470 and other binders: nitrocellulose (ester soluble), melamine resins.

Applications:

- Domacryl 536 60 SA is intended for crosslinking with isocyanate resins for two-component air and forced drying protective top coats.
- Enamels based on Domacryl 536 60 SA gives films with good adhesion on different substrates, hardness, gloss and elasticity.
- They are suitable for two-component car repair top coats, agricultural machinery and high-grade industrial paints.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.

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.