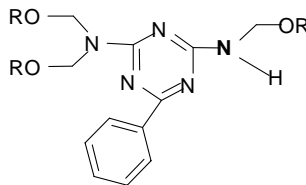


CHARACTERISTICS

Imino type, medium reactive, methylated benzoguanamine-melamine formaldehyde resin

STRUCTURE



FORM OF DELIVERY

80 % n-butanol (80B)

SPECIFICATION

Determined per batch

Properties

Dynamic Viscosity DIN 53177

Cone & Plate (23°C) [mPa.s] 1000 - 3000

Non-Volatile Matter DIN EN ISO 3251

(1 h; 120 °C; 2 g) [%] 78 - 82

Not continually determined

Iodine Colour Number DIN 6162

< 1

Density (Liquids)

approx at 20°C [g/ml] 1,17

Flash Point (Pensky-Martens)

DIN EN 22719 (analog) [°C] 37

Formaldehyde Content (Sulfite)

DIN EN ISO 11402 [%] < 1,30

Molecular weight distribution

(M_w/M_n) (GPC/PS I) 1,30

USES:

Maprenal MF 986 is fully soluble in polar solvents like alcohols, ester and ketons and partially soluble in hydrocarbons like solvent naphtha and insoluble in water.

Maprenal MF 986 is a melamine modified, medium reactive, methylated Benzoguanamine resins, which provides in combination with suitable Polyesters glossy, hard, flexible and highly water resistant films with good adhesion to various substrates.

Maprenal MF 986 shows a good cure response in combination with a high formulation stability and overbaking resistance in solvent and waterborne (with cosolvent) baking enamels without and with sulfonic acid type of catalysts.

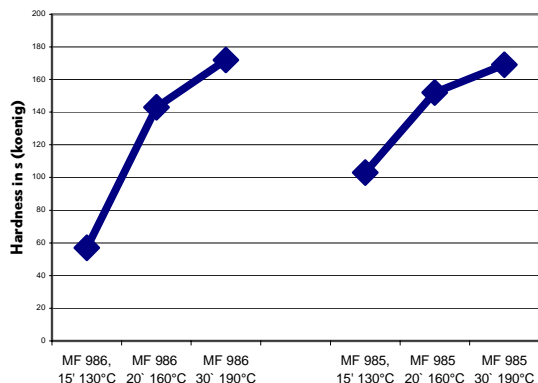
Maprenal MF 986 could be added to a waterborne coating by predilution with cosolvents like eg Butylglycol.

Reactivity: Maprenal MF 985 > MF 986 > MF 984

Flexibility: Maprenal MF 985 < MF 986 < MF 984

FILM PROPERTIES:

Waterborne Alkyd/Maprenal MF 986 vs Maprenal MF 985 in a waterborne, grey alkyd resin based formulation (Alkyd/MF = 75/25)



STORAGE STABILITY:

At temperatures up to 25 °C storage stability of Maprenal MF 986/80B packed in original containers amounts to at least 24 months after day of production.

Some turbidity may occur in isolated cases but this has no effect on product quality.



	World Area		Customer Support	Technical Support
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	South America		+1 413 730 3814	+1 413 730 2499
	North & South America		+1 413 730 3815 +1 413 730 3817	+1 413 730 2268
INEOS Melamines GmbH Alt Fechenheim 34 D 60386 Frankfurt, Germany	Europa Middle East / Africa	 	+49 (0) 69 4109 2319 +49 (0) 69 4109 2552	+49 (0) 69 4109 2310 +49 (0) 69 4109 2628
	www.ineosmelamines.com	Asia / Pacific	 	+86-21-6103 5220 +86-21-6226 5072

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