

Technical Datasheet

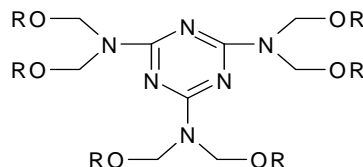
TYPE

Hexamethoxymethyl-melamine- formaldehyde resin

FORM OF DELIVERY (f.o.d.)

Solvent free

STRUCTURE



PRODUCT DATA

Determined per batch:

Viscosity EN ISO 3219-B

(23 °C) [mPa.s] 4500 - 7200

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter [%] 93 - 96
analogue DIN EN ISO 3251
(1 h; 120 °C; 2 g;)

Not continually determined:

Iodine Colour Number DIN 6162

iodine colour number < 1

Density (Liquids) DIN 12791 T1+3

density [g/ml] 1,21
approx.
(20 °C)

Flash Point (Pensky-Martens) DIN EN 22719

flash point [°C] > 90
analogue DIN EN 22719

Formaldehyde Content (Sulfite) DIN EN ISO 11402

content [%] 0,6
approx.

degree of polymerisation, DP

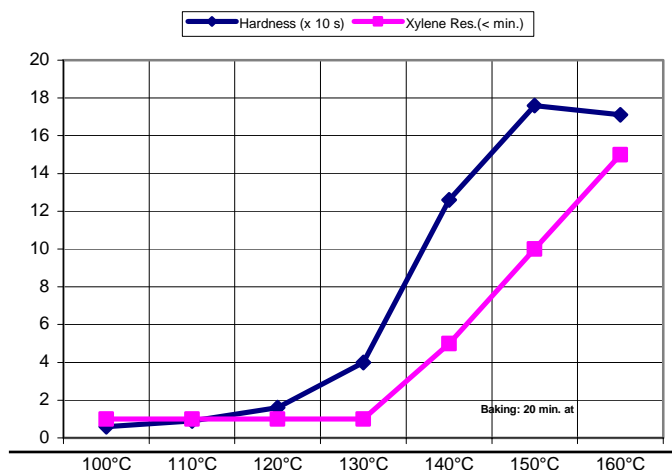
(GPC/PSI) 1.2

USES







Maprenal MF 900 is diluteable with water and medium – polar solvents like eg ketones, ethers, ester and alcohols.
MF 900 could be used in solvent and in waterborne coating formulations. In automotive waterborne primers & base coats Maprenal MF 900 provides highly stable formulations and yields films with a good flow, appearance, overbaking and water resistance.
Further suggested uses, in which the use of a strong acid catalyst is required, are in coil, packaging and waterborne baking enamels.
If MF 900 is used in acid cured paper foil coatings no cosolvents is needed.

FILM PROPERTIES / CLEAR COAT

Maprenal MF 900 (+ 1 % PTS)
(Clear coat: AC/MF = 70/30)



At temperatures up to 25 °C storage stability of Maprenal MF 900 packed in original containers amounts to at least 12 months.
Some turbidity may occur in isolated cases but this has no effect on product quality.

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