



MORGAN MATERIALS INCORPORATED

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Polyglykol 2000

Application:

Polyglykols are used for a wide variety of chemical reactions. With isocyanates and polyester they act as endcapping and hydrophilic component. When reacted with unsaturated monomers like acrylic or methacrylic acid esters are formed which can be copolymerized in order to increase hydrophilicity and improve dispersing properties of polymers in water. Due to the low concentration of diols in polyglykol 2000 there is almost no formation of diesters during the reaction with acrylic or methacrylic acid.

Typical properties:

water content (DIN 51777)	% w/w	max. 0.5 max. 0,1 (FL-Type)
colour index [APHA] 10 % w/w in water (ISO 6271)		max. 30
pH (5 % w/w in water) (DIN 19268)		5 - 7
hydroxyl number (HOE 06 HB 0211)	mg KOH/g	25,5 - 31,0
molecular weight	g/mol	1800 - 2200
pour point (ISO 3016)	°C	ca. 50
viscosity at 20°C (50% w/w in water) (DIN 51562)	mPa.s	45 - 55
diol content (HPLC)	area-%	1 - 2

Composition

Monomethoxy polyethylene glycol
 $\text{CH}_3(\text{OCH}_2\text{CH}_2)_n\text{OH}$

CAS-No.: 9004-74-4

INCI-designation: Methoxy PEG-40