

## NORPOL GELCOAT NGA P1075 SI

### DESCRIPTION

NORPOL NGA P1075 SI is a high-quality gelcoat based on isophthalic/neopentylglycol polyester resin.

NORPOL NGA P1075 SI is easy to apply and handle.

NORPOL NGA P1075 SI is especially well suited for products exposed to water and less aggressive chemicals at varying temperatures, such as sanitary articles, boats, car bodywork, cladding panels, etc.

Products manufactured in conformity with ANSI Z 124.1-1974 with NORPOL NGA P1075 SI gelcoat will be able to meet the quality requirements of the "American Standard for Plastic Bathtub Units".

NORPOL NGA P1075 SI is approved for boat production by Det norske Veritas and Lloyds Register of Shipping.

Recommended peroxide dosage: 1.0 - 3.0%

Recommended film thickness: 0.55-0.85 mm (wet film)

### PHYSICAL DATA IN LIQUID STATE AT 23°C

Properties		Unit	Test method
Viscosity			
- Brookfield RVF sp.4/4 rpm	15000 - 17000	mPa·s(cP)	ASTM D 2196-86
- Cone & Plate	200-300	mPa·s(cP)	ISO 2884-74
Density	1.1-1.3	g/cm <sup>3</sup>	ISO 2811-74
Flash point	26	°C	ASTM D 3278-95
Geltime: 1.5% Butanox M50	25 - 30	minutes	G020
Storage stability from date of production	6	months	-

### MECHANICAL/PHYSICAL DATA FOR THE GELCOAT'S BASE POLYESTER RESIN IN CURED STATE

Properties	Value	Unit	Test method
Tensile strength	min. 65	MPa	ISO 527-1/2-93
Tensile modulus	min. 3000	MPa	ISO 527-1/2-93
Tensile elongation	min. 3.0	%	ISO 527-1/2-93
Heat distortion temp.	min. 90	°C	ISO 75-1/2-93
Hardness Barcol	min. 40	-	ASTM D 2583-87
Water absorption	max. 65	mg/ testpiece	Det norske Veritas 1981

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