

Neogel® 8300-W-XXXX

ISO MOULD GELCOAT

Neogel® 8300-W-XXXX is a high performance gelcoat, which was developed for manufacturing GRP moulds.

Benefits

Neogel® 8300-W-XXXX is a high gloss gelcoat, easy to repair. It has good resilience and excellent resistance to styrene.

Application Characteristics

Neogel® 8300-W-XXXX is pre-accelerated thixotropic, ready for use and available in a wide range of colours, in the following types:

- Spray type (Neogel® 8300-W-XXXX S)
- Brush type (Neogel® 8300-W-XXXX)

In order to obtain optimum performance it is advisable to operate as follows:

- Temperature between 18°C and 25°C
- Cure with recommended MEKP* 50% solution, adjust amount between 1.0-2.0%
- Thickness of the film 700-900g/m²

*Butanox M50 (Akzo Nobel)

Packaging, Storage and Handling Conditions

Neogel® 8300-W-XXXX is available in about 21 kg package. It should be stored in the original closed packaging at a temperature not exceeding 20°C out of direct sunlight, and away from direct heat sources.

Under these conditions, the product has a stability of 3 months from dispatch date.

Neogel® 8300-W-XXXX has a Flash Point of >21°C. It is FLAMMABLE and should be kept away from naked flames. Please refer to the SAFETY DATA SHEET.

Application Methods



Brush



Roller



Air atomised spray gun



Airless

Specification of Base Gelcoat

Characteristics	Test Method	Unit	Typical Value Base Gelcoat Brush	Typical Value Base Gelcoat Spray
Appearance	TM 2265	—	Thixotropic liquid	Thixotropic liquid
Viscosity at 25°C (#4, rpm2)	TM 5042	mPa.s	26000-45000	22000-40000
Viscosity at 25°C (#4, rpm20)	TM 5042	mPa.s	6500-10000	3500-5000
Geltime at 25°C	TM 2245	minutes	10-20	10-20

Characteristics of Cured Product

Characteristics	Test Method	Unit	Typical Value
Tensile Strength	ISO 527-2	MPa	90
Tensile Modulus	ISO 527-2	MPa	3700
Elongation at Break	ISO 527-2	%	4.6
HDT	ISO 75A	°C	95

Curing conditions: cure for 24hours at R.T., post cure for 24 hours at 80°C
Testing conditions: temperature:23±2°C , relative moisture:50±6%

Storage Guidelines

The resin should be stored indoors in the original, unopened and undamaged packaging, in a dry place at temperatures between 5°C and 30°C.

Shelf life is reduced at higher temperatures and the properties of the resin might change during storage.

The shelf life of styrene containing unsaturated polyesters will be significantly reduced when exposed to light.

Store in dark and in 100% light tight containers only.

Material Safety

A Material Safety Data Sheet of this product is available on request.

Test Methods

Test methods (TM) referred to in the table(s) are available on request.

ISO 9001:2015 Certified

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2015 standards. This certification recognizes that each AOC facility has an internationally accepted model in place for managing and assuring quality. We follow the practices set forth in this model to add value to the resins we make for our customers.

About AOC

AOC is the leading global supplier of resins and specialty materials which enable customers to create robust, durable and versatile products and components. With strong capabilities around the world in manufacturing and science, the company works closely with customers to deliver unrivaled quality, service and reliability for today, and create innovative solutions for tomorrow. Partner with AOC and we will work together to find the right solutions for your business.

AOC. Trusted Solutions

Brochures

You can find additional information through Product Guide. For detailed information on the system solution, please consult our Gelcoat Brochure. Both brochures are available from our Business Technical Supports Engineer and Account Manager.

AOC CHINA Jingling AOC Resins Co.,Ltd

No. 188, Chongfu Road, Nanjing Industrial Park, 210047, Nanjing, Jiangsu, China

Phone: +86 25 85493888

Fax: +86 25 85561724

Email: china@aocresins.com

AOC is a registered trademark of the AOC group of companies.

The user is held responsible for checking the quality, safety and all other properties of our products prior to use. The information and recommendations contained herein are to the best of our knowledge accurate and reliable, but no rights whatsoever may be derived by any party other than those expressly agreed to with a selling entity of the AOC group of companies in a legally binding agreement. AOC hereby makes no warranty of any kind, express or implied, including those of merchantability and fitness for purpose. Unless explicitly agreed to in writing by AOC otherwise, all offers, quotations, sales and deliveries of AOC products are subject to the general conditions of sale of AOC. Altek®, Atlac®, Beyone®, Daron®, FirePel®, NeoMould®, Neoxil®, Palatal®, Palapreg®, Pultru®, Synolite™, Vipel®, the AOC™ name, the AOC™ logo and the Trusted Solutions™ logo are the registered trademarks of the AOC group of companies.

For more information: aocresins.com