

# Polijel F-210-ALM

## Advanced aesthetic gelcoat

### Product Description

Polijel F-210-ALM (NON-ACCELERATED) is an isophthalic/NPG based, thixotropic, brush type, non-accelerated gelcoat. It is not pigmented and natural-transparent gel coat. It's used where the aesthetic appearance is important besides high chemical and physical resistance properties. Polijel F-210-ALM is suitable for products where high resistance to water and atmospheric conditions are required.

### Highlights

- Excellent Water resistance
- Long term gloss retention
- Excellent weather resistant and resistance to yellowing - UV Resistance
- Good air release properties

### Key Features

Base	ISO / NPG Modified
Appearance	Transparent
Versions	RAL Colors, Spray type
Accelerator	No

### Typical Liquid Properties

Specification	Range	Unit	Test Method
Viscosity <sup>1</sup>	7000	cp	ISO 2555
Thixotropy	Thixotropic	-	-
Gel Time <sup>2</sup>	14	min	ISO 2535
Shelf life <sup>3</sup>	6	months	-

Document Version:

**R 01\_Polijel F-210-ALM-27.10.2017**

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#### Customer support

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#### Legal Disclaimer

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#### Remarks

- 1 Viscosity measured at 23°C with Brookfield DV-III Rheometer (spindle 4, 50/5 rpm for spray type, spindle 6, 50/5 rpm for brush type ).
- 2 Gel time measured at 23°C with 1 ml Cobalt solution (1% Coconcn.) and 1 ml Mek-P (Butanox M 60 - 9,9 % Active oxygen) added to 100 gr gelcoat.
- 3 Please read the storage conditions.

**Mechanical Properties**

**Cured Resin Values**

<b>Property</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Heat Deflection Temperature HDT	79	° C	ISO 75-A
Heat Deflection Temperature HDT	90	° C	ISO 75-B
Water Absorption	0,14	%	ISO 0062
Barkol Hardness (Barcol 934-1)	45	-	ASTM-D 2583
Flexural Strength	143	MPa	ISO 0178
Elongation at Break	4,4	%	ISO 0178
Tensile Strenght	60	MPa	ISO 0527
Elongation at Break	2	%	ISO 0527

**Remarks**

As mentioned above data is valid base resin.  
Before the mechanical tests, the cured resin is post-cured.

**Handling and Storage Conditions**

The product should be stored indoors in the original, unopened, damage free packaging, in a dry place at temperatures under 23°C. If the resin temperature falls below 18°C it should be warmed up to a minimum of 18°C before use. Storage and handling of flammable liquids is subject to national or local regulations so always ensure that storage complies with those regulations. Shelf life is reduced at higher temperatures and the properties of the resin might change with increased time of 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.

Avoid contact with food or drinks. Avoid conditions that could cause static electric discharge. Use only in well-ventilated areas. Keep away from open heat, flame and sparks. Avoid contact with eyes, skin or clothing. Do not spill on the environment. Dispose of contents and container according to local, regional and national regulations. Use personal protective equipment during use. Always keep the container closed. Prevent contact with vapors by providing sufficient ventilation of the working area, and by using approved respiratory protection. Ensure that dust from finishing operations is kept under control by collection devices and by effective ventilation.

Empty packagings are subject to same classification as the product.

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

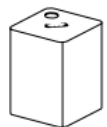
Internal test methods (OT) referred to in the table(s) of this documents are available on request.

**Warning**

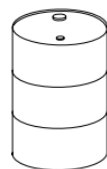
This product can expose you to styrene, which is known to the state of California to cause cancer. For more information, visit [www.Prop65Warnings.ca.gov](http://www.Prop65Warnings.ca.gov)

**Packaging**

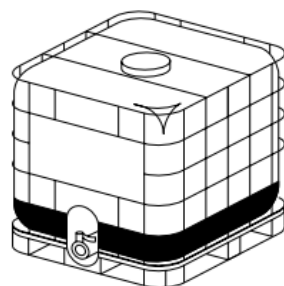
**Group A / Standard Packaging**



**18 kg Pail**  
23,5x23,5x35cm



**230 kg Barrel**  
Ø58x88,5cm

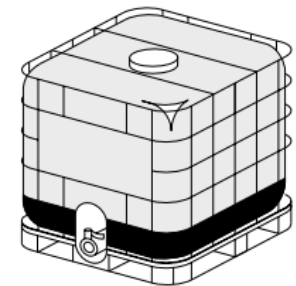


**1.100 kg IBC**  
120,5x100,5x116,5cm

**Group B / Recon. Packaging**



**230 kg Recon. Barrel**  
Ø58x88,5cm

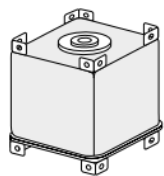


**1.100 kg Recon. IBC**  
120,5x100,5x116,5cm

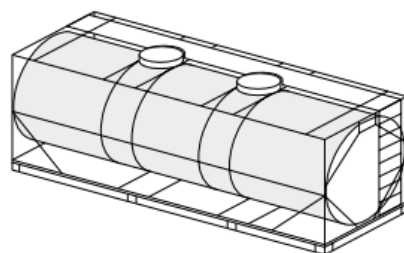


Recond. is classified as sub-standard packaging. SVP F03 substandard packaging approval form is required before placing any order including reconditioned packaging.

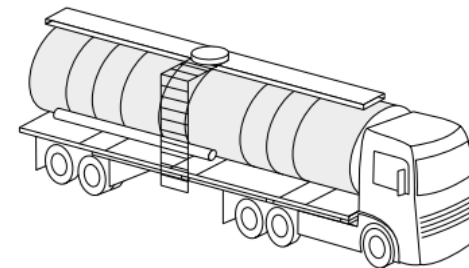
**Group D / Bulk Resins**



**1.750 kg Steel Tote**  
112x112x153cm



**22.000 kg ISO Tank Container**  
2.45x6.10x2.60mt



**22.000 kg Bulk Tanker**  
Including semi - tractor trailer 14.20 mt



Optional Steam heating line



Optional Long term renting



Optional Warm shipment in winter