NUMBER: IT/UPR/149	DATE: 27.11.2017

TECHNICAL INFORMATION

POLIMAL® 1056 AWTP

Application

Polimal® 1056 AWTP is recommended for the production of polyester – glass laminates by hand lay-up and spray lay-up.

Resin characteristics

Polimal® 1056 AWTP is constructional, accelerated, thixotropic, DCPD - modified, unsaturated polyester resin with colorful curing indicator and reduced emission of styrene. It is characterized by high thermal resistance and good processing parameters.

Typical parameters

Parameter	Unit	Value
Viscosity at 25°C acc. to ISO 3219	mPa s	**250 ÷ 350**
Gel time at 25°C acc. to DIN 16945	min	**7 ÷ 17**
Flexural strength acc. to ISO 178	MPa	**85**
Flexural modulus acc. to ISO 178	MPa	**3500**
Tensile modulus acc. to ISO 527	MPa	**3600**
Elongation at break acc. to ISO 527	%	**1,8**
Heat deflection temperature (HDT) acc. to ISO 75	°C	**> 100**
Barcol hardness ASTM –D 2583-95	°B	**48**
Guarantee period	months	**3**

Gel time with: 2% Luperox® K-1 S (MEKP)

Mechanical parameters refer to not reinforced resin curing for 24 hours at room temperature and post curing for 2 hours at 80°C.

Storage conditions

Polimal® 1056 AWTP should be stored in close package in a dry, shady and cool places, adapted for storing flammable materials at temperatures not exceeding 25°C.

Processing conditions

The resin should be mixed before use. Good curing required ambient temperature above 18°C and low air humidity. The best curing conditions are obtained using 2% MEKP as hardener. It is possible to adjust gel time by varying of amount of hardener, the best within in the range of 1 – 2 %. The final curing could be optimalize by postcuring at elevated temperatures.

Polimal® is the trade name reserved for unsaturated polyester resins produced by **CIECH - Sarzyna S.A.**

Luperox® is the trade name registered for products of **ARKEMA** company.

Data and suggestions included in this document are on the basis of our own tests and are considered by us as reliable. However, we cannot take any responsibility for actions and losses directly or indirectly resulted from using our products. User should check the product quality, safety and properties before its using.

Note:
The information does not substitute Material Safety Data Sheet or Technical Specification, which are superior documents and are available on the customer's request.

CIECH Sarzyna S.A.
ul. Chemików 1
37-310 Nowa Sarzyna
tel. (+48 17) 24 07 111
faks (+48 17) 24 07 122
sarzyna@ciechgroup.com
www.ciechgroup.com

REGON: 000042352
NIP: 8160001828

Kapitał zakładowy:
84 900 000,00 zł (wpłacony w całości)

Rejestr przedsiębiorców:
Sąd Rejonowy w Rzeszowie, XII Wydział
Gospodarczy Krajowego Rejestru Sądowego
KRS: 0000103271