

TECHNICAL INFORMATION

POLIMAL[®]

1055 B

Application

Polimal 1055 B is designed for the production of mineral - resinous compositions cured with benzoyl peroxide.

Features

Polimal 1055 B is unsaturated polyester resin modified with DCPD, flexible, with good stability. It contains polymeric amine accelerator.

Typical parameters

Parameter	Unit	Value
Viscosity, (at 25°C) acc. to DIN 53015	mPa s	350÷500
Gel time (at 25°C) acc. to ISO 2535	min	5÷10
Stress at break acc. to ISO 527	MPa	80
Flexural strength acc. to ISO 178	MPa	70
Flexural modulus acc. to ISO 178	MPa	2300
Elongation at break acc. to ISO 527	%	15
Heat deflection temperature (HDT) acc. to ISO 75	°C	45
Barcol hardness ASTM-D 2583-95	°B	20
Shelf life	months	6

gel time with: 2% BP(50%) (e.g. Luperox ANS 50)

Mechanical parameters refer to unreinforced resin cured for 24 hours at room temperature and post-cured for 2 hours at 80°C.

Storage conditions

The resin should be stored in closed original containers, in dry, well ventilated and shaded storage rooms adapted for storing inflammable materials at a temperature below 25°C.

Processing conditions

The resin should be mixed before use. The resin of the temperature above 15°C is required for processing. Good curing requires ambient temperature at least 18°C and low air humidity. Good curing conditions are received while using: 2 – 3% of NB 50% hardener (e.g. Luperox[®] ANS 50).

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.