

INFUSION BIOBASED RESIN

14% Biobased

This INFUSION BIOBASED resin is an orthophtalic DCPD unsaturated polyester resin partly biobased, specially designed for infusion and injection.

It is a clear, non-thixotropic and pre-accelerated resin. It has a low viscosity, very good wettability properties, a limited exotherm peak and a good hardening.

Application Fields: Boat industry, Car industry and for Industrial parts.

Physical Properties of Uncured Resin

Brookfield Viscosity at 23°C-sp2-cPoise- 50rpm	ISO 2555	130 - 150
Specific gravity at 23°C	ICON012	1.08 – 1.12
Solid Content - %	ICON003	53- 55
Storage stability 20°C- months	-	3

Reactivity

Gel time at 23°C		
1.5 % MEKP (M50) on 100g - minutes	ICON002	40
Peak exotherm Temperature at 23°C		
1.5 % MEKP (M50) on 100g - °C	ICON002	100-130

Mechanical properties of cured resin*

Flexural Strength	ISO 178	71.4 MPa
Flexural modulus	ISO 178	4 GPa
Barcol Hardness	ASTM 2583	45

* To catalyse at 1.5% of MEKP- post cured 3h@80°C