

POLYESTER RESIN ES 7050

Polyester

1 | Page

Version: 1/2015

TDS EU/EN

Technical Data Sheet

ES – 7050 plastifiant – softener type polyester

Description and Basic Properties

ES – 7050 Plastifiant-Softener type polyester resin is specially developed with a very low reactivity. Producing elastic composite materials is possible by mixing with polyester resins and gel coats in the proportion of up to 30% when elasticity is desired. It prevents the fractures by courtesy of elasticity property that is obtained from work pieces with the method of cutting.

Properties of Liquid Product

Property	Method	Unit	Deviation	Value
Appearance	-	-	-	Clear-Bluish
Density	ISO 1675	g/cm ³	± 0.1	1.13
Viscosity	ISO 2555	cp	± 50	750
Monomer Content	-	%	± 2	25
Thixotropy	-	-	-	Not Applicable
Acid Number	ISO 2114	mgKOH/g	± 5	20
Gel Time	2535	minutes	± 1	20
Shelf Life	-	months	-	6

- Viscosity is measured at 25 °C, 10 rpm with spindle 3
- Gel time is measured at 25 °C, by adding 0.25 mL Cobalt Octoate (% 6) 2 mL MEK-peroxide for 100 g sample.

POLYESTER RESIN ES 7050

Polyester

2 | Page

Version: 1/2015

TDS EU/EN

Properties of Pure Cured Resin

Test	Method	Unit	Deviation	Value
Flexural Strength	ISO 178	MPa	± % 10	Not Applicable
Flexural Modulus	ISO 178	MPa	± % 10	Not Applicable
Elongation at Break	ISO 178	%	± % 10	Not Applicable
Tensile Strength	ISO 527	MPa	± % 10	Not Applicable
Modulus of Elasticity in Tensile	ISO 527	MPa	± % 10	Not Applicable
Elongation at Break	ISO 527	%	± % 10	Not Applicable
Izod Impact Strength	ISO 180	Kj / m ²	± % 10	Not Applicable
Barkol Hardness	ASTM –D 2583	Barkol	± % 10	Not Applicable
Heat Deflection Temperature	ISO 75 - A	°C	± % 10	Not Applicable

Storage Guidelines

Keep container tightly closed in a cool dry place and keep away from direct sunlight. Products with same charge numbers and production dates must be stored together. Pay attention to the handling life. Don't hoard more than 3 packages one on top of each other.

These information's are prepared by regarding general conditions. Rozachim AD is not responsible for any problem which due to lack of information.

Chemical resistant chart can be provided from our corporation.