

Chemical/Physical Nature

ZC-189TP resin is a pre-thixotropic unsaturated polyester resin with phthalic anhydride, maleic anhydride and standard glycol as the main raw materials. It has low viscosity and medium reactivity.

Benefits and Application

ZC-189TP resin meets the certification requirements of China Classification Society (CCS). It has good strength and rigidity, fast post-curing, is easy to wet the glass fiber, and does not flow easily during operation. It is suitable for hand lay-up process to produce ordinary FRP products such as small FRP boats in inland rivers and automobile parts.

Liquid Resin Typical Properties

Property	Value	Unit	TM
Appearance	pink liquid	-	-
Acid value	17-24	mgKOH/g	GB/T 2895-2008
Viscosity, 25°C	0.3-0.4	Pa.s	GB/T 7193-2008
Solid content	58-64	%	GB/T 7193-2008
Thermal stability 80°C	≥24	h	GB/T 7193-2008
Gelation time 25°C	25-43	min	GB/T 7193-2008

Unfilled Castings Typical Properties

Property	Value	Unit	TM
Appearance	Qualified	-	-
Barcol Hardness	40	-	GB/T 3854-2005
HDT	70	°C	GB/T 1634-2004
Break elongation	2.2	%	GB/T 2567-2008
Tensile strength	55	Mpa	GB/T 2567-2008
Tensile modulus	3500	Mpa	GB/T 2567-2008
Flexural strength	105	Mpa	GB/T 2567-2008
Flexural modulus	3300	Mpa	GB/T 2567-2008

Application Guidelines

1. ZC-189TP resin contains wax, thixotropic additives and accelerators.
2. ZC-189TP resin is sensitive to light and tends to gel when exposed to light, so please use it before use. Opening the package or exposing it to strong light should be avoided.
3. If you have higher performance requirements, please contact sales directly.
4. During the storage process of thixotropic resin, the thixotropic agent will gradually precipitate, which is a normal phenomenon. It should be stirred thoroughly before use.

Package

Net weight is 220 kg, metal barrel.

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