

## Chemical/Physical Nature

TC-DC191 resin is an unsaturated polyester resin with phthalic anhydride, maleic anhydride and standard glycol as the main raw materials. It has been dissolved in cross-linking monomers such as styrene and has high viscosity and medium reactivity.

## Liquid Resin Typical Properties

Property	Value	Unit	TM
Appearance	light yellow liquid	-	-
Acid value	20-26	mgKOH/g	GB/T 2895-2008
Viscosity, 25°C	0.7-0.8	Pa.s	GB/T 7193-2008
Solid content	62-68	%	GB/T 7193-2008
Thermal stability 80°C	≥24	h	GB/T 7193-2008
Gelation time 25°C	6-18	min	GB/T 7193-2008

## Unfilled Castings Typical Properties

Property	Value	Unit	TM
Appearance	Qualified	-	-
Barcol Hardness	42	-	GB/T 3854-2005
HDT	60	°C	GB/T 1634-2004
Break elongation	2.5	%	GB/T 2567-2008
Tensile strength	60	Mpa	GB/T 2567-2008
Tensile modulus	3800	Mpa	GB/T 2567-2008
Flexural strength	120	Mpa	GB/T 2567-2008
Flexural modulus	3800	Mpa	GB/T 2567-2008

## FRP Typical Properties

Property	Value	Unit	TM
Barcol Hardness	64	-	GB/T 3584-2005
Flexural strength	300	Mpa	GB/T 1449-2005
Flexural modulus	17000	Mpa	GB/T 1449-2005
Tensile strength	320	Mpa	GB/T 1447-2005
Tensile modulus	16000	Mpa	GB/T 1447-2005

## Application Guidelines

1. TC-DC191 resin contains wax and does not contain accelerators and thixotropic additives.
2. If you have higher strength and toughness requirements, please contact sales directly.

## Package

Net weight is 220 kg, metal barrel.

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