

**常州联拓复合材料有限公司**  
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**Technical Data Sheet**

**191 Unsaturated Polyester Resin**

Item	Unit	Test result	Test method
Appearance	—	Blue cloudy liquid	GB/T 8237.4.1.1
Viscosity (12rpm)	25°C、Pa.s	1200-1800	RS-V007
Thixotropic Index	—	≥2	RS-V004
Acid Value	MgKOH/g	13-30	GB/T 2895
Gel Time	25°C、min	25-60	GB/T 7193.4.6
Solids Content	%	56-62	GB/T 7193.4.3

Note: When measuring gel time: resin 100g, MEKP (V388) dosage 2g.

**Properties of resin casting bodies (for reference)**

Item	Unit	Test result	Test method
Tensile strength	MPa	64	GB/T 2567
Tensile modulus	MPa	3150	GB/T 2567
Elongation at break	%	2.0	GB/T 2567
Flexural strength	MPa	115	GB/T 2567
Flexural modulus	MPa	3600	GB/T 2567
Impact strength	KJ/m <sup>2</sup>	9	GB/T 2567
Barcol hardness	—	46	GB/T 3854
Heat distortion temperature	°C	63	GB/T 1634
Moisture(25 °C)	%	0.125	GB/T 1034