

常州联拓复合材料有限公司
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192P - Vacuum/RTM

DS-192P is an orthophthalic unsaturated polyester resin. The resin has good molding processing performance, low exothermic peak and small shrinkage. It is suitable for various molding processes such as vacuum introduction and RTM. Its FRP products have good mechanical strength.

Specifications of liquid resin			
Item	Unit	Value	Testing Standard
Appearance		Light viscous liquid	
Chroma (Pt-Co)		---	GB7193
Acid Value	mgKOH/g	19-27	GB2895
Viscosity(25°C)	mPa.S	120-200	GB7193
Gel Time	min	18-30	GB7193
Non-Volatile solids	%	50-58	GB7193
Thermal Stability	h	≥24	GB7193
Note: Gel time is 25°C, 50g resin air bath solution by adding 1.5mlMEKP			

Performance resin castings			
Item	Unit	Value	Testing Standard
Barcol hardness ≥	Barcol	40	GB3854
Tensile strength ≥	MPa	60	GB2567
Tensile modulus ≥	MPa	3000	GB2567
Elongation at break ≥	%	3.0	GB2567
Flexural strength ≥	MPa	100	GB2567
Flexural modulus ≥	MPa	3100	GB2567
Impact strength ≥	KJ/m ²	3.0	GB2567
H.D.T ≥	°C	80	GB1634.2
Note: experimental ambient temperature 23±2°C relative humidity 50±5%			

Packaging and Storage

DS-192P is packaging weight 220KG metal drums, stored at 20°C for three months, the corresponding increase in temperature will shorten the shelf life, storage should be placed in a cool ventilated place, avoid direct sunlight and away away from heat, inflammable materials, should stay away from open flame.

Note:

This data is in accordance with national standards (GB) determination, because in the process has many factors, so do not rule out the need for user-testing research, the law does not guarantee certain properties of the product is fully applicable.