

**常州联拓复合材料有限公司**  
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**666 - Filament winding pipe/ Tank**

DS-666 is an unsaturated polyester resin with low styrene, which with the advantages low volatility, high toughness, good anticorrosion, particularly applicable to winding glass fibers reinforced, sand mixed pipes and glass steel products.

| Technical Indexes of Liquid Resin  |         |                                 |             |
|--|---------|---------------------------------|-------------|
| Item   | Unit    | Value                           | Standard    |
| Type   |         | DCPD                            |             |
| Appearance   |         | Transparent Sticky Thick Liquid | Visual      |
| Chroma (Pt-Co)   |         |                                 |             |
| Acid Value   | mgKOH/g | 17-23                           | GB2895-82   |
| Viscosity(25°C)  | Mpa.S   | 500-700                         | GB7193.1-87 |
| Gel Time   | min     | 8-10                            | GB7193.6-87 |
| Non-Volatile   | %       | 66-72                           | GB7193.3-87 |
| Note: Gel Time is25°C; in air bath; 0.5 ml MEKP solution was added into50 gresin |         |                                 |             |

| Performance Indexes of Resin Casting Substance                                   |                   |       |             |
|--|-------------------|-------|-------------|
| Item   | Unit              | Value | Standard    |
| Barcol hardness≥   | Barcol            | 38    | GB3854-1983 |
| Tensile strength ≥   | MPa               | 55    | GB2568-1995 |
| Tensile modulus ≥  | MPa               | 2800  | GB2568-1995 |
| Elongation at break≥   | %                 | 2.8   | GB2568-1995 |
| Flexural strength≥   | MPa               | 80    | GB2570-1995 |
| Flexural modulus≥  | MPa               | 3000  | GB2570-1995 |
| Impact Modulus≥  | KJ/m <sup>2</sup> | 6     | GB2571-1995 |
| H.D.T ≥  | °C                | 75    | GB1634-1989 |
| Note: Environmental Temperature for Experiment: 23±2°C; relative humidity: 50±5% |                   |       |             |

**Packing and Storing**

DS-666: Packed in metal pail of220 KGnet weight with shelf life of 6 months at20°Cat ventilated places; avoiding direct sunlight and heat or fire.

Note: The data were tested according to GB standard. Influenced by many factors in the process of fabrication, necessary researches by user are not exclusive. Legally, no warranties for some performances of product are applicable to one specific use, and the rights to amend the materials are reserved.