

## DS-Tianhe Resin Series

DS-689N is an relining resin for HOBAS Pipes with low viscosity and middling reactivity .

Technical Indexes of Liquid Resin			
Item	Unit	Value	测试标准 Standard
Appearance		Straw yellow Liquid	Visual
Viscosity(25°C)	mPa.S	250-350	GB7193.1-87
Gel Time	min	8-13	GB7193.6-87
exothermic peak	°C	≤80	GB7193.6-87
post-cure time	min	10-20	GB7193.6-87
Non-Volatile	%	55-60	GB7193.3-87

Note: Gel Time is 25°C; in air bath; 0.5 ml cobalt isocaprylate solution and 0.5 ml MEKP solution were added into 50 g resin

Performance Indexes of Resin Casting Substance				
Item	Unit	Value	Standard	
Barcol Hardness	≥	Barcol	42	GB3854-1983
Tensile Strength	≥	MPa	18	GB2568-1995
Tensile Modulus	≥	MPa	0.4	GB2568-1995
Elongation at Break	≥	%	55	GB2568-1995
Flexural Strength	≥	MPa	30	GB2570-1995
Flexural Modulus	≥	MPa	0.6	GB2570-1995
Impact Strength	≥	KJ/m <sup>2</sup>	不断	GB2571-1995
H.D.T	≥	°C	----	GB1634-1989

Note: Environmental Temperature for Experiment: 23±2°C; relative humidity: 50±5%