

常州联拓复合材料有限公司
CHANGZHOU UTEK COMPOSITE CO., LTD.

FuhanYuan 1-812, New North District, Changzhou 213022, Jiangsu, China
 T: 86-519-85856360; www.utekcomposite.com; info@utekcomposite.com

689N - Filament winding pipe/ Tank

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

Technical Indexes of Liquid Resin			
Item	Unit	Value	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 ²		GB2571-1995
H.D.T ≥	°C	----	GB1634-1989
Note: Environmental Temperature for Experiment: 23±2°C; relative humidity: 50±5%			