

Silane Terminated Polyether Polymer

KERILON®201S



Product Description

KERILON®201S is a polymer of alkoxysilane-terminated polyether. Due to the hydrolysis cross-linking of alkoxy groups in a humid environment, it can be used to make moisture-curing elastic sealants, elastic structural adhesives, and sealing coating. KERILON®201S not only has excellent eco-friendly properties, but also have excellent adhesion to broad range of substrates. Different from silicone, polyurethane and other conventional adhesives and sealants, it has many outstanding properties, such as no solvent, low VOC emission, no free isocyanate, surface can be paintable, no bubble during curing. It is especially suitable for construction, general industry, transportation and new energy.



Properties and Features

- Excellent elastic recovery rate
- Low viscosity
- Excellent aging and yellowing resistance
- Excellent water resistance and solvent resistance
- Excellent storage stability
- Solvent free, odorless, eco-friendly
- Could be blended with other Risun STP polymers



Physical Data

Features	Result*
Activity	Medium to high activity
Modulus	Low
Appearance	Clear viscous liquid
Viscosity mPa · s	18000-28000
Density g/mL	1.0
pH	6-8

*Condition: 23 ± 2°C/30-50% RH



Cured Data

Features	Result*
SFT min	20
TAB MPa	0.27
Elastic recovery %	80
EAB %	300
Shore A	18

* The Result* is based on RISUN TS laboratory basic sealant formula.

*Condition: GB/T 14683, concrete block H specimen



Applications



Precast concrete sealing



Civil engineering



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