

**TECHNICAL CONTROL ENVIRONMENTAL MATERIAL (SHAOGUAN) LTD.**

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Technical Data Sheet

PU 611

Description

PU 611 is an anionic aliphatic waterborne polyurethane dispersion. Good compatibility with various types of waterborne polyurethane dispersions and acrylic emulsions.

Features and Application

- High hardness, smooth hand feel, scratch resistance
- High fullness, high gloss, chemical resistance
- APEO, NMP and tin substances free
- Mainly used in wood coatings, metal coatings, glass coating, and printing inks.
- Recommended to add 3-5% co-solvent (such as DPNB, DPM, etc.) to obtain a suitable paint film
- Compatibility with Acrylic emulsion

Physical Properties

Appearance	Transparent yellow liquid
Solid Content %(2hr. @120°C)	32±1
pH	7.0-8.5
Viscosity(25°C)/ mPas	< 60
Tensile Strength(Mpa)	>26
modulus 100% (Mpa)	>12
Pendulum hardness (König)	160-180
NEP(%)	8

*These properties are typical but do not constitute specifications.

Storage

Please place in a sheltered, cool and dry place, storage temperature should be 0 to 40degrees C, to keep the packaging intact. This product has a shelf life of six months from the date of manufacture and is recommended for performance evaluation after more than six months. This product needs to be strictly protected from frost, open the packaging, it is recommended to use up once. Please filter properly before use.

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