

L-6290 High-tensile 2-functional UV Polyurethane

Description

L-6290 is a special modified 2-functional polyurethane with very high flexibility, fast curing rate, boiling resistance and good weather resistance. When cured into a 5 mm-thick film, the resin can be bent without cracking.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	40,000 - 60,000
Color Value (Gardner)	≤1
UV Content (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤2
Refractive Index	1.479
Shore Hardness	45A
Tensile Strength (MPa)(ASTM D882)	1.1
Elongation at Break (%) (ASTM D882)	146
Functional Group	2

Product Features

Good flexibility and high tensile strength

Excellent toughness and strong tear resistance; remaining unbroken even when bent at 5 mm thickness

Excellent boiling water and high-temperature resistance

Applications

Elastic UV coatings; vacuum plating UV coatings; various high tensile requirements UV coatings; UV inks; UV adhesives, UV 3D printing resins, etc.

Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 20 kg / 200 kg drums.

Tips: L-6290 is a 2-functional aliphatic polyurethane resin with the highest tensile strength, fast curing, and outstanding toughness.

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.