

L-6290D High Elogation 2-functional UV Polyurethane

Description

L-6290D is a specially modified aliphatic 2-functional polyurethane with exceptionally high flexibility and good tensile strength. It exhibits excellent adhesion to plastic and glass substrates, outstanding boiling water resistance, and when cured into a 5 mm-thick film, the resin can be bent without cracking.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	20,000-40,000
Color Value (Gardner)	≤2
UV Content (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤2
Refractive Index	1.492
Shore Hardness	69A
Tensile Strength (MPa)(ASTM D882)	7.4
Elongation at Break (%) (ASTM D882)	550
Functional Group	2

Product Features

Excellent flexibility with an extremely high elongation at break of up to 550%
Superior toughness and strong tear resistance, remaining unbroken even when bent at 5 mm thickness
Good boiling water resistance, good adhesion to plastic and glass substrates.

Applications

Elastic UV coatings; vacuum metallization UV coatings; various UV coatings with high elongation requirements; 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-6290D is a 2-functional aliphatic polyurethane resin with the highest elongation at break.

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.