

SPUR+™ 3030 Prepolymer

Description

SPUR+ 3030 prepolymer is an excellent candidate to consider for formulating non-isocyanate, moisture curable roof coatings and waterproof membranes. It was developed to enable the formulation of roof coating with a wide application window and excellent fully cured properties including tear, UV and water resistance.

Performance Properties (Key Features/Typical Benefits)

- Low viscosity can enable broad formulation latitude
- Proprietary pre-polymer design yields a balance of physical and mechanical properties desirable in a roof coating formulation
- Greater hydrophobicity than conventional hybrid polymers
- Improved heat resistance

Typical Physical Properties

Property	Value
Appearance	Colorless, clear to slightly opaque
Active Content	100%
Specific Gravity at 25 °C	0.9554 g/cm ³
Viscosity at 25 °C	~ 2500 cP

Typical properties are average data and are not to be used as or to develop specifications.

Typical Mechanical Properties After Cure

Property	Value
Tensile Strength at Break (psi)	600
Elongation at Break (%)	180
Modulus at 100% Extension (psi)	220
Hardness Shore A	42

Typical properties are average data and are not to be used as or to develop specifications.

The prepolymer was cured via the addition of 1% Fomrez† UL-28 & 0.5% DEMDD in a humidity chamber at 23 °C and 50% relative humidity for ten days, and then tested according to ASTM D412 for tensile properties and ASTM C661 for hardness.

Patent Status

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Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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