

## 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 <sup>3</sup>
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.

### Contact Information

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

### Telephone

<b>Americas</b>	<b>Latin America</b>	<b>EMEAL- Europe, Middle East, Africa &amp; India</b>	<b>ASIA PACIFIC</b>
<b>+1 800 295 2392</b>	<b>Brazil</b>	<b>Europe</b>	<b>China</b>
Toll free*	+55 11 4534 9650	+390510924300	800 820 0202
+704 805 6946	Direct Number	Direct number	Toll free
Direct Number			+86 21 3860 4892
			Direct number
*All American countries	<b>Mexico</b>	<b>India, Middle East &amp; Africa</b>	<b>Japan</b>
	+52 55 2169 7670	+ 91 44 71212207	+81 3 5544 3111
	Direct Number	Direct number*	Direct number
		<b>*All Middle Eastern countries, Africa, India,</b>	<b>Korea</b>
			+82 2 6201 4600

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