

## UNI-REZ™ 2521 Polyamide Resin

### PRODUCT DATA SHEET

UNI-REZ 2521 (formerly UNI-REZ 521) thermoplastic polyamide resin is designed to impart a high degree of thixotropy to alkyd resins. Thixotropy can be achieved by reacting UNI-REZ 2521 with the alkyd resin at temperatures between 190-210°C. UNI-REZ 2521 can be easily processed and achieves its clear point on dilution before attainment of maximum thixotropy.

#### FEATURES

- Imparts a high degree of thixotropy
- Medium to high gel strength
- Fast gel recovery
- Good flow and leveling

#### POTENTIAL APPLICATIONS

- Medium and long oil alkyds
- Aliphatic and low aromatic solvents
- Anti-pigment settling
- Anti-sagging
- High-gloss paints

### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number, mg KOH/g	AQCM 001	6 max	3
Amine Number, mg KOH/g	AQCM 069	6 max	3.5
Color, 35% in 1:1 n-Butanol/Toluene, Gardner	AQCM 002	7 max	5
Softening Point (°C)	AQCM 003	110 - 120	113
Viscosity, Brookfield (160°C), cPs	AQCM 004	80 - 140	100

\*Kraton test methods are available upon request

### TYPICAL VALUES

Property	Test Method*	Typical Value
Recommended usage level (on solid resin content)	N/A	2 - 9%
Recommended reaction temperature	N/A	190 - 210°C
Time to clear point (long oil alkyd, 7% UNI-REZ 2521)	ADVM 224	2.5 hrs at 210°C
Gel strength (Texture Analyzer) (long oil alkyd, 7% UNI-REZ 2521, 55 wt% in white spirit)	ADVM 550	900 gram
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<b>PACKAGING</b>	This product is available in 40 / 50 lbs paper bags.
<b>STORAGE RECOMMENDATION</b>	In unopened, original containers UNI-REZ 2521 polyamide has a shelf life of 36 months at 20 to 25°C.

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