

UNI-REZ™ 2532 Polyamide Resin

PRODUCT DATA SHEET

UNI-REZ 2532 (formerly UNI-REZ E3525) thermoplastic polyamide resin is designed to impart a high degree of thixotropy to alkyd resins. Thixotropy can be achieved by reacting UNI-REZ 2532 with the alkyd resin at temperatures between 210-230°C. UNI-REZ 2532 can be easily processed and achieves its clear point on dilution before attainment of maximum thixotropy. UNI-REZ 2532 forms very strong and rigid thixotropic gels that are resistant to high levels of polar solvents.

FEATURES

- Imparts a high degree of thixotropy
- High gel strength
- Rigid gel structure
- Resistant to polar solvents
- Imparts temperature resistance
- Fast gel recovery

POTENTIAL APPLICATIONS

- Medium and long oil alkyds
- Aliphatic and low aromatic solvents
- Anti-pigment settling
- Anti-sagging
- Recommended for pigment pastes and primers

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number, mg KOH/g	AQCM 001	6 max	2
Amine Number, mg KOH/g	AQCM 069	6 max	<1
Color, 35% in 1:1 n-Butanol/Toluene, Gardner	AQCM 002	7 max	3.5
Softening Point (°C)	AQCM 003	90 - 100	97
Viscosity, Brookfield (160°C), cPs	AQCM 004	100 - 200	115

*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	210 - 230°C
Time to clear point (long oil alkyd, 7% UNI-REZ 2532)	ADVM 224	5 hrs at 210°C 4 hrs at 220°C
Gel strength (Texture Analyzer) (long oil alkyd, 7% UNI-REZ 2532, 55 wt% in white spirit)	ADVM 550	1400 gram

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PACKAGING	This product is available in 40 / 50 lbs paper bags.
STORAGE RECOMMENDATION	In unopened, original containers UNI-REZ 2532 polyamide has a shelf life of 36 months at 20 to 25°C.

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