

TDS (Technical Data Sheet)

P/N: POLYASPARTIC RESIN

Customer: N/A
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Customer Desc: N/A

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Version History

Rev.	Status	Revision Description	Author/Approved	Date
A	Approved	Initial Release	Sha LIU	2024-01-18

Product Name: POLYASPARTIC RESIN

Model No: HS420

Product Introduction

This product is a resin containing secondary amino functional groups, capable of reacting with -NCO groups. It is designed for high-solids two-component polyurea/polyurethane topcoat formulas and solvent-free coatings.

Product Specifications

Test Item	Technical Index
Appearance	Slightly yellow transparent liquid
Viscosity at 25°C (mPa·s)	700–1800
Amine Value	199–203
Platinum-Cobalt Color Number	≤200
Specific Gravity (g/cm ³)	Approx. 1.076
NH Equivalent (g/mol)	Approx. 276
Flash Point (°C)	Approx. 100
Water Content (%)	≤0.15
Equivalent OH Content (%)	6.13

Recommended Applications

- 1: High-end coating fields including automotive coatings and premium wood coatings, which can greatly enhance film fullness, gloss and hardness as well as speed up surface drying.
- 2: Protective anti-corrosion coatings for steel structures, petroleum pipelines and other heavy anti-corrosion scenarios.
- 3: Foam landscape modeling, concrete waterproof materials.
- 4: Wind turbine blade coatings: gel coats, putties and topcoats for wind turbine blades.

Packaging Specification

200 kg per drum.

Storage & Shelf Life

This product is flammable. Store at low temperature with storage temperature ≤40°C. Keep away from fire sources and store in cool, dry and well-ventilated warehouses. Shelf life: 12 months.

Notes

Coatings prepared with this product shall be cured for 7 days before coating performance testing.

All information provided herein is confirmed accurate under specific test conditions. Users must carry out independent tests to confirm whether the product is suitable for their specific application scenarios. Please contact our company if you have any questions or need more detailed technical documents.

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