

C2850 Polyaspartic Resin

Technical Data Sheet

JUNAIMEI NEW MATERIALS | POLYASPARTIC RESIN



聚耐美 | 天冬纯聚脲

Product Description

A solvent-free, low-viscosity, new aliphatic polyaspartic ester resin containing secondary amino groups; comparable to Covestro NH 1720.

Key Features

1. Very low viscosity; can be used as a reactive diluent for polyaspartic polyurea coatings.
2. Suitable for high-solids, low-viscosity environmentally responsible coatings, with application solids up to 100%.
3. Moderate reactivity; blending with C1420, C1524 and similar grades can extend the working time for hand-applied polyurea systems.
4. Coatings show excellent resilience, flow and leveling, gloss, and tactile feel.
5. Films also provide outstanding low-temperature flexibility, water resistance, solvent resistance, and acid and alkali resistance.
6. Can react with the company's elastic curing agents to form elastomeric materials with excellent mechanical properties and elongation up to 400%.

Typical Properties

Property	Typical Value	Test Method / Unit
Appearance	Colorless to pale yellow liquid	Visual
Amine value	170-210	
Color value (APHA)	Max. 250	
NH equivalent (g/mol)	290	Theoretical
Equivalent OH content, %	5.8-5.9	
Relative density (25 deg C)	1.08	
Viscosity (mPa.s/25 deg C)	≥ 80	
Solids content	97 +/- 2%	
Flash point	94	deg C

Note: Values shown are typical only and, unless expressly agreed in writing, are not to be regarded as specifications or guaranteed values.

Applications

Waterproofing, anticorrosion coatings, flooring, blade coatings, adhesives, and automotive repair materials.

Packaging

20 kg or 200 kg per drum

Shelf Life

When stored in the original, unopened and undamaged sealed container at temperatures not exceeding 40 deg C, the product has a shelf life of one year.

Handling Notes

1. This product is combustible. Store at low temperature, not above 40 deg C, away from ignition sources and in a cool, dry and well-ventilated area. Protect from moisture, heat and foreign materials. Shelf life is one year.
2. Coatings prepared with this product should be cured for one week before performance testing.

Regulatory Status

Please refer to the Material Safety Data Sheet (MSDS). For chemical inventory information, contact your dedicated sales representative.

Safety Precautions

Please refer to the Material Safety Data Sheet (MSDS), available from your dedicated sales representative.

Health and Safety Information

Appropriate health and safety instructions must be observed when handling chemical products. For products not supplied by the company, follow the industrial hygiene and safety precautions provided by the relevant manufacturer. Before using the products described, read and understand the information on hazards, proper operation and handling. Such information is available from the MSDS, product labels and other sources. For further information, contact your dedicated sales representative or technical information department.

Contact

Junaimei (Shandong) New Materials Co., Ltd.

Junaimei (Shandong) New Materials Co., Ltd.

M 18516800818

T 0534-6836668

E info@junaimei.cn

W www.junaimei.cn

A No. 7, Circular Economy Demonstration Park, Tieying Town, Leling, Dezhou, Shandong, China

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