

FEISPARTIC F520

I Chemical formula and molecular weight

- Chemical Name: Aspartic Acid, Polyaspartic Polyurea Resin, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediy)]bis-, 1,1',4,4'-tetraethyl ester
- ELINCS No.: 412-060-9
- CAS No.: 136210-32-7

II Properties and application

- FEISPARTIC F520 is Aminofunctional co-reactant for polyisocyanates, it's the same model as NH1520, could be used for the formulation of high-solids, two-component polyurethane topcoats and solvent-free coating materials.
- FEISPARTIC F520 can also react with -NCO functional HDI trimmer from which a longer gelling time and excellent yellow resistance can be achieved. Longer gelling time can also be obtained when mixing with FEISPARTIC F420 to achieve a pure aspartic polyurea coating with high build and fast dry two pack coating system. FEISPARTIC F520 is also compatible with other hydroxyl-functional resin such as acrylic, alkyd resin. It is widely applied on formulating variety of protective coatings.
- Main Feature
 1. High solid content with low viscosity
 2. Faster curing time in aliphatic system
 3. Offering excellent physical properties like high hardness, flexibility, elongation(400%), tear and tensile strength(25MPa).
 4. Great weathering and saline water resistance

III Quality standard

Item	Specifications
Appearance	Slight yellow transparent liquid
Molecular Weight	582
Solid Content	96%±2%
Amine value(mg KOH/g)	189-193
Amine Equivalent (g/mol)	291
Viscosity mpa.s/25°C	900~1300
Relative density(25°C)	1.06±0.02
Flash Point(/°C)	97

IV Package and storage

- 200Kgs/Drum, 4Drums/pallets, 80Drums/container or 1Ton/IBC tank.
- FEISPARTIC F520 resin must be stored in tightly sealed containers to prevent from contacting with moisture. Recommended storage temperatures are 0°-40°C (32°-104°F). The shelf life of FEISPARTIC F520 is 12 months when stored in closed original containers at 77°F (25°C).