

Epoxy Curing Agent

G-560

Product Introduction:

Epoxy curing agent G-560 is a room-temperature curing, solvent-free curing agent with low viscosity and low odor. It can be applied for rapid curing at low temperatures and reacts in the temperature range of -5 to 0 degrees Celsius. It has excellent mechanical strength and offers excellent cost-effectiveness. After curing, the surface has high glossiness and can also be used as a reaction promoter for other curing agents for compound use. No K54 needs to be added, and it can significantly increase the curing speed. When used for flat surface construction of adhesives, it can effectively improve the anti-slip-off performance. In thick coating or composite curing applications, it will not cause polymerization explosion. It is environmentally friendly and safe, and does not contain harmful amines such as aromatic MDA.

Performance and features:

- √ High compressive strength
- √ Fast reaction speed
- √ High surface glossiness
- √ Excellent resistance to low temperatures and high humidity

Physical properties:

Product typical indicators	Winter low-temperature rapid version		
	G-560	Domestic equivalent products	Equivalent products from abroad
25 degrees / viscosity / cps	1300	1200	100
Amine value / mg KOH / g	340	330	550
Color	amber	amber	Dark brown
Density/g/cm-3	1.012	1.022	1.028
Active hydrogen equivalent g/mol	95	95	95

Typical performance:

Product Specifications	Winter low-temperature rapid version		
	G-560	Domestic equivalent products	Equivalent products from abroad
Butt joint shear strength / MPa	14.8	14.3	15.7
Tensile strength / MPa	55	50	46
Tensile elongation/%	2.3	3	2.8
Compressive strength/MPa	98	102	95
Glass transition temperature/oC	68	71	66
Operation time/minute	12	30	15

Typical 25-degree curing data after 7 days. Pure resin system. Component A:

Epoxy/AGE748-90/10

Application scope:

Building structural adhesives; civil adhesives, epoxy modified asphalt, electronic sealants

Storage:

Store in a sealed environment at room temperature. If unopened, the storage period is 24 months.

Packaging specifications:

200Kg per barrel, 1000kg per barrel