



DOMIDE G-640

POLYAMIDE HARDENER TECHNICAL DATA SHEET

GENERAL DESCRIPTION

DOMIDE G-640 is one in a series of standard reactive liquid polyamides for use in the curing of epoxy resins. G-640 is a low viscosity reactive polyamide, high imidazoline, moderate molecular weight hardener based on dimerized fatty acid and polyamines. G-640 has good compatibility with epoxy resins.

ADVANTAGES

- Good chemical and water resistance
- Good corrosion resistance
- Good color and light stability
- Good adhesion
- Long pot life with liquid resins
- Low viscosity
- Higher imidazoline contents

APPLICATIONS

- Adhesives and sealants
- Concrete repair compounds
- High solids coatings
- Casting and encapsulation
- Maintenance coatings
- Tank and pipe linings
- High solids enamel paint formulations
- Highway and bridge deck repairs

SAFETY, STORAGE & HANDLING

At least 12 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

*Refer to the Safety Data Sheet for G-640 curing agent.

PACKAGING

Drum of 180kg net weight

Can of 15kg net weight

TYPICAL PROPERTIES

State	liquid
T.A.V.* ¹ (mgKOH/g)	370-400
Viscosity(cps@25°C)	8,000-12,000
Color(Gardner)	12Max.
Solid Contents(%)	100
A.H.E.W.(g/eq)	100-120

*1. Total Amine Value(0.1N-HClO₄ Method)

TYPICAL PERFORMANCE

YD-128	100(by weight)
G-640	60(by weight)
Adhesion Strength* ¹ (Kgf/cm ²)	165
Tensile Strength* ² (Kgf/cm ²)	480
Flexural Strength* ³ (Kgf/cm ²)	740
Compressive Strength* ⁴ (Kgf/cm ²)	780

*1. ISO 4587

*2. ISO 527-2

*3. ISO 178

*4. ISO 604