



IRAN KETONE IK 105-X-80

Epoxy hardener (polyamidoamine solution)

| Test Specifications | Result |
|---|---|
| Solid Content (ASTM D-1259) | 80 ± 1 % |
| Acid value (delivery form) (ASTM D-1639) | 2-3 (mg KOH /gr) |
| Amine value (on solid) (ASTM D-2074) | 220-230 (mg KOH / gr) |
| Active hydrogen equivalent weight (delivery form) | 248 (gr/eq) |
| Density (25°C) (ASTM D-1475) | 0.96± 0.01 (gr/ml) |
| Viscosity(delivery form)(25°C) (ASTM D-562) | 4000-7000 mpa.s |
| Color, Gardner (ASTM D-1544) | Max 8 |
| Solvent | Xylene |
| Flash point (ASTM D-93) | 26 (°C) |
| Compatible solvent | Xylene, toluene, n-butanol, MIBK |
| Compatible & suitable resins | Solution epoxy resin with (EEW ≥ 200) |
| Curation / drying mechanism | Solvent evaporation / Chemical reaction |

Applications:

- Produce anti-corrosive epoxy-2K primers.
- Marine paint.
- Machinery anti-corrosion coatings.
- Cement & alkaline surface paints.
- Stoven epoxy coating.

Principles properties:

- Room temperature curing conditions.
- Excellent adhesion.
- Moisture resistance.
- Good flexibility.
- Good anti-corrosive properties.



Recommendation:

Hardener 105 weight need for each 100gr epoxy resin (EEW=475 gr/eq) =
$$\frac{\text{Active hydrogen EW(in delivery form)}}{\frac{(\text{EEW resin})}{(\% \text{ s.c})}} \times 100$$

Example:
$$\left[\begin{array}{l} \text{Epoxy resin solution with (EEW 475)} \\ \text{\& (S.C = 75 \%)} \end{array} \right. \longrightarrow \frac{248}{\frac{275}{0.75}} \times 100 = 39 \text{ gr}$$

Storage:

- Keep away from moisture conditions.
- Keep away from sources of ignition and heat.
- Stored between 0°C to 40°C .

Shelf life:

- This product has a shelf life of 6 months from data of manufacture

Note: the information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use.