

REPLAMIDE-325(100%)

TECHNICAL DATA SHEET

R-325(100%) Reactive Polyamide Resin

PRODUCT DETAILS

Type:

Reactive Polyamide Resin

Clarity of Resin:

Clear

Viscosity @25°C on Brookfield:

400-500 Ps

Color On G-Scale (As Such):

9 max

Acid Value (Mg KOH/Gm):

3 max

Amine Value (Mg KOH/Gm):

290-320

% Non-Volatiles (120°C/1 hr.):

97 min

Specific gravity@30°C:

0.97

SUGGESTED USES

R-325 is a reactive polyamide resin used as a fast curing agent for epoxy resins. Its properties like good flexibility, adhesion to different substrates, better pot life, lower exothermic during curing and low shrinkage during casting and molding etc. make it useful in structural and laminating adhesives. Because of its high reactivity and other characteristics of polyamide it is useful in high solids coatings also.

STORAGE

Storage stability of **R-325** at or below temperature 35°C packed in original container can withstand up to 12 months.

CURING PROPERTY

Mix ratio	- 60-80 PHR
Pot life (100g, 25°C @100PHR)	- 2 Hrs.
Peak exothermic temperature	- 35 °C
Surface trace dry @100PHR	- 3 Hrs.
Take Free	- 6-7 Hrs.

OTHER PROPERTIES

AHEW:	- 130
Specific gravity (20°C)	- 0.98±0.02
Odor	- Slight amine smell
Flash point	- ≥ 200 °C

DILUTION

Soluble in aliphatic alcohols, aromatic hydrocarbons, ketones, esters etc. However ketones and esters complexes with polyamides on storage. Hence ketones and esters should be preferably used in the epoxy component of the system.