



# ORAM PRODUCTS PVT. LTD.

Head Office: G1-141, Kuber Industrial Area, Ranpur, KOTA (Raj.)

Cell: 09610994568, 09350077481

Branch Office: Opp. Columbia Asia Hospital NH24, Hapur Road,

Ghaziabad (U.P.) Cell: 098103 52857, 09310264801

E-mail: [info@oramproducts.com](mailto:info@oramproducts.com) , [info.oram@gmail.com](mailto:info.oram@gmail.com)

Web : [www.oramproducts.com](http://www.oramproducts.com)

## Technical Data Sheet – R-Cord RC 2A & RC IPBE 1

### **R-Cord RC 2A**

#### **Description:-**

R-Cord RC 2A is a special modified, low viscosity, liquid epoxy resin for Filament Winding, Electrical insulation. When it is used with appropriate epoxy hardener, it provides excellent combination of properties including mechanical, thermal, chemical and physical.

#### **Applications**

Filament Winding  
Electrical Insulation  
Coatings  
Adhesives

### **RC IPBE 1**

#### **Description:-**

RC IPBE 1 is low color, low viscosity modified aliphatic amine hardener suitable to cure epoxy resin at ambient temperature. The cured mass gives high gloss with excellent surface finish suitable for coatings and electrical applications. The film withstand variety of chemicals includes acid, alkali, alcohols and hydrocarbon solvents.

Advantages  
Low viscosity  
Fast setting  
Excellent chemical resistance  
High gloss

## **Applications**

Filament Winding  
Electrical Insulation  
Coatings  
Adhesives

## **Technical Data**

Property	Unit	Test Method	Resin(A)	Hardener(B)
Appearance		Visual	Clear Liquid Modified Bisphenol A	Clear Liquid Modified aliphatic amine
Viscosity	mPas (25°C)	ASTM D	2000-4000	10-50
Density	g/cm <sup>3</sup> (25°C)	ASTM D	1.10	1.04

## **Typical Properties**

Property	Unit	Test Method	Value A/B
Mixing Ratio	By Weight	-	100:10
Pot Life	Min(25°C)	-	45-90
Curing Time	°C/hr	-	80/1 or 25/10
Temperature Range of use	°C	-	10°C to +180 °C
Hardness	Shore D	ASTM D	85
Expansion Coefficient	24h, 25°C , %	ASTM D	<0.1
Water Absorption	kV/mm (25°C)	ASTM D	>20
Glass transition temperature	Celsius	ASTM D	60°C -80°C

Flash Point	Celsius	ASTM D	160°C /110°C
Dielectric strength	(25°C)	ASTM D	3.9
Loss Factor	(DC500V) $\Omega \cdot \text{cm}$	ASTM D	1.2×10 <sup>15</sup>

**Packing Size:-**

(Resin : Hardener)

(40 Kg : 4 Kg)

(240 Kg : 24 Kg)