



Epoxy System CR209

Clear Casting

DESCRIPTION

CR209 is a low viscosity liquid bisphenol-A based epoxy resin with modified cycloaliphatic amine curing agent. The mixed viscosity with hardener allows the material to flow very well, even in thin walled areas.

PROPERTIES

- * Low viscosity for easy getting Bubbles and handling
- * Excellent surface appearance
- * Good blush resistance
- * Low Odor
- * Less prone to crystallization than other epoxy resins

Application Areas/Suggested Uses

- * Decorative application
- * Clear Casting
- * Flooring
- * Electrical casting and encapsulation
- * Grouting compounds

Physical Properties:

Resin		R209	
Hardeners			H209
Colour		Transparent	Transparent
Viscosity (mPa.s)	at 25°C	1200_1500	500_700
Density (g/cm ³)	at 25°C	1,15	1,05
Mix ration(phr)	by weight	100	50



Mixed Properties:

Working Time (min)	at ۲۵°C	۴۰
Pot life (min)	at ۲۵°C & ۵۰ gr(۲۵mm Thickness)	۶۰
Viscosity (mPa.s)	at ۲۵°C	۸۰۰
Specific gravity	life	۱,۱
Gelation (hr)	at ۲۵°C on ۳mm Thickness	۲
Demolding time (hr)	at ۲۵°C on ۳mm Thickness	۶-۸

Processing/How to use General Information

Epoxy System CR۲۰۹ provides several benefits compared to higher viscosity resins. It is easier to handle and flows out and wets surfaces better. In addition, entrained air escapes more easily from systems during cure, producing almost bubble-free products. Higher concentrations of filler can be used with CR۲۰۹ giving cured systems reduced cost.

Epoxy System CR۲۰۹ give excellent service at moderate temperatures for long periods. They are commonly used in formulations for electrical castings and encapsulations and adhesives.

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products:

*ensure good ventilation

*wear gloves, safety glasses and waterproof clothes.

STORAGE CONDITIONS

Epoxy System CR۲۰۹ is slightly hygroscopic and should be stored at room temperature in conditions such that moisture is excluded, in the original containers kept tightly closed. Under these conditions the shelf life should be a minimum of one years from date of certification.

Keep in @22-30°C & humidity<50%