

Baxxodur® EC 301

Baxxodur® EC 301 amino-terminated polyoxypropylene is a curing agent primarily for epoxy systems.

General

Baxxodur® EC 301 is curing agent primarily for epoxy systems. In use it provides a long pot life. For the cured formulation it contributes excellent adhesion and toughness, good flexibility and thermal shock resistance as well as low color

Applications include coatings, adhesives, sealants, composites, electronics and construction. Epoxy curing agent and protective coating;

It reacts with carboxylic acid to form hot melt adhesive, reacts quickly with isocyanate, and can be used as a surfactant after salt formation.

Appearance	colorless
Aahew g/eq	60
Density 25 °Cg/ml(±0.01)	0.948
Melt point °C	-
Color PT-Co APHA(max)	25
Viscosity cst 25°C	9.5
primary amines value(% min)	97
Total acylamide value	8.3min-8.7max
Total amines value meq/g	8.3min-8.7max
Advantages	Low viscosity, color and vapor pressure, completely miscible with most solvents, including water, can obtain tough, clear, impact resistant coatings, casting bodies, adhesives, etc., with excellent adhesion, flexibility, toughness, and heat impact resistance, and the coating surface is free of whitening commonly seen with other amine solidification agents phenomenon.

Curing property: (standard bisphenol A type epoxy resin Epoxy equivalent 182-188)

Curing condition: 2h/80° C + 3h/125° C

Property		Unit	Test method
Geltime (23 °C, 100g)	>550	Min	ASTM D2471
Glass transition temperature Tg	67-78	°C	DSC,10 °C/min
Tensile strength	65-67	MPa	ASTM D 638
Tensile elongation	5.8-7.0	%	ASTM D 638
Bending strength	95-98	MPa	
Bending modulus	2690-2820	MPa	ASTM D 790
Impact strength	74-81	J/m	ASTM D 256
lap shear strength	23-25	MPa	ASTM D 1002

Package :195kg/drum

Storage: store under shelter, ventilated,and dry place .