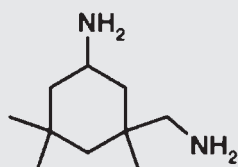


® = trademark of BASF SE

# Baxxodur® EC 201 (Isophorone diamine)

Amine curing agent for the epoxy industry



CAS No: 2855-13-2

Baxxodur EC 201 is a cycloaliphatic amine based curing agent with low viscosity and moderate reactivity.

## Features

- High temperature resistance
- High mechanical strength
- Excellent chemical and moisture resistance
- Low color and good color stability

## Applications

- Structural adhesive
- Flooring, grout, coating, etc. in construction
- Composite lamination
- Casting and encapsulation
- Heavy duty protective coating

## Characteristics

### Curing agent

Chemical properties	Unit	Test method
Viscosity at 23 °C	19–20 mPas	DIN 53015
Density	0.924 g/cm <sup>3</sup>	ASTM D 792
AHEW	~ 43 g/eq	

**Cured resin**

(Data range for DGEBA resins from different suppliers, EEW ranges from 182–188)

**Cured for 2 hours at 80 °C plus 3 hours at 125 °C**

Chemical properties	Unit	Test method
Gel time (100 g at 23 °C)	130–190 min.	ASTM D 2471
T <sub>g</sub>	128–132 °C	DSC, 10 °C/min.
Tensile strength <sup>1</sup>	70–86 mPa	ASTM D 638
Tensile elongation <sup>1</sup>	3.2–4.1 %	ASTM D 638
Flexural strength <sup>2</sup>	117–125 mPa	ASTM D 790
Flexural modulus <sup>2</sup>	2790–2940 mPa	ASTM D 790
Impact strength <sup>3</sup>	44–46 J/m	ASTM D 256
Lap shear strength <sup>4</sup>	16–18 mPa	ASTM D 1002

<sup>1</sup> At break, crosshead speed 5 mm/min.

<sup>2</sup> At yield, crosshead speed 2.5 mm/min.

<sup>3</sup> Izod, notch

<sup>4</sup> Steel/steel (overlap is 6 mm)

Additional technical data for this product are available on request.

**Note**

The data contained in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, the data does not relieve processors from carrying out their own investigations and tests; neither does the data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

The safety data given in this publication is for information purposes only and does not constitute a legally binding Material Safety Data Sheet (MSDS). The relevant MSDS can be obtained upon request from your supplier or you may contact BASF directly at [product-safety.intermediates@basf.com](mailto:product-safety.intermediates@basf.com).

October 2013

**Contacts:**

[info.intermediates@basf.com](mailto:info.intermediates@basf.com)

BASF SE  
Intermediates Division