

Technical Data Sheet

EPIKOTE™ Resin 05390

Product Description

EPIKOTE™ Resin 05390 is an epoxy-based powder binder that is applied as a hot-melt system to stabilize glass and/or carbon composite reinforcements and create fiber preforms.

Application Areas/Suggested Uses

EPIKOTE™ Resin 05390 is a universal tool for various preforming applications with long shelf life, a softening temperature between 80 - 90°C, excellent application behavior and compatibility to epoxy resin matrices. EPIKOTE™ Resin is suitable to produce preforms for a broad range of composite parts such as automotive structural or exterior parts, composites for industrial and Wind-energy applications and mass transportation.

Features and Benefits

- Good flow behavior at application temperature
- Very good compatibility with Epoxy resin systems.
- Reversible process of preform-forming in the temperature range of 80- 90 °C
- Very good processability via powder application on the fabric.

Sales Specifications

Property	Value	Unit	Test Method
Particle Size Distribution Particles <12 µm	8 - 12	%	ISO 8130-1
Particle Size Distribution Particles < 200 µm	99.5	%	ISO 8130-1

Typical Properties

Property	Value	Unit
Bulk Density	550 ± 50	kg/m³
Delivery Form	White Powder	
Softening Point	90 ± 15	°C

For further Technical Inquiries on the properties and performance of this preform binder matrix system, please contact us at TRAC@momentive.com or at our Customer Service Center at +1 888 443 9466 / 4information@momentive.com

Safety, Storage & Handling

For information about safe handling of Epikote epoxy resins and Epikure Curing Agents please note the corresponding Safety Data Sheet.

EPIKOTE™ Resin 05390 can be stored at 20-25°C for at least 12 months in the carefully sealed original containers. By storing the powder under higher temperatures (above 30°C) particles may agglomerate and affect the processing.