

CATALYST 11 RED

Introduction & Applications

Catalyst 11 Red is a blend of organic peroxides for use in applications where a low exotherm is desired such as FRP laminates or for use in resin transfer molding (RTM).

Catalyst 11 Red provides dramatically higher productivity in curing fiberglass reinforced unsaturated polyester systems, where a lower peak exotherm temperature during cure will allow fabrication of thicker laminates without warping or cracking. During RTM, an organic peroxide with less peak exotherm temperature while curing the unsaturated polyester can also reduce shrinkage and cracking problems.

Product Description

Chemical Name	CAS-No.	Wt/Wt
cumene hydroperoxide	80-15-9	< 44.0 %
diluent	6846-50-0	< 30.0 %
methyl-ethyl-ketone peroxide	1338-23-4	< 19.0 %

Standard Specifications

physical form	red liquid
active oxygen	> 8.60 %

Typical Physical Properties

SADT	60°C (140°F)
flashpoint	76°C (169°F)

Temperature Tolerance

Do not store above: 38°C (100°F).

Recommended storage temperature: < 30°C (86°F)

Shelf-Life

Catalyst 11 Red is stable at room temperature, and exhibits no degradation at mildly elevated temperatures up to 38°C (100°F) for short periods of time. If stored at room temperature and away from all potential contaminants, Catalyst 11 Red has a shelf-life of 6 months from the date of Arkema delivery.

Packaging

Catalyst 11 Red is packaged in cartons of 4 x 1 gallon bottles.

Availability

Catalyst 11 Red is available in North America from Arkema and authorized distributors.

To discuss availability or speak to a salesperson, please call 844-LUPEROX.