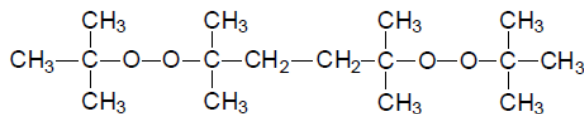


LUPEROX® 101PP20

Organic Peroxide

Introduction & Applications

Luperox® 101PP20 organic peroxide is a 20% active weight formulation of Luperox® 101 organic peroxide. The inert ingredients are polypropylene powder and silica. Silica acts as a flow aid to maintain a powdery consistency. Luperox® 101PP20 is widely used in plastics recycling as a viscosity modifier in both single stream and mixed streams containing PP and PET.



Product Description

Chemical Name	CAS-No.	Wt/Wt
polypropylene powder		< 64 %
2,5-dimethyl-2,5-di-(tert-butylperoxy)hexane	78-63-7	≤ 21 %
silica (flow aid)		< 15 %

Standard Sales Specifications

physical form/description	free flowing white powder
active oxygen	2.09 – 2.31 %

Typical Physical Properties

SADT	82°C (180°F) 100 lb container
melting point	> 160°C (> 320°F)

Half-Life Data

Half-life can be defined as the time required at a specific temperature, to affect a loss of one-half of the peroxide's active oxygen content. The efficiency of a free radical initiator depends upon its rate of decomposition.

Half-life data can be a useful guide in selecting the optimum initiator for a specific application. Several factors apply to half-life data obtained in dilute solution:

- Use only applies to thermolytic decomposition
- Half-life varies in different solvents due to induced decomposition if no radical scavenger is present

Time	Deg C	Deg F
10 hours	120	248
1 hours	140	284

Temperature Tolerance

Do not store above: 38°C (100°F)

Shelf-Life

Luperox® 101PP20 crosslinking peroxide has a shelf-life of 12 months from the date of Arkema delivery.

Packaging

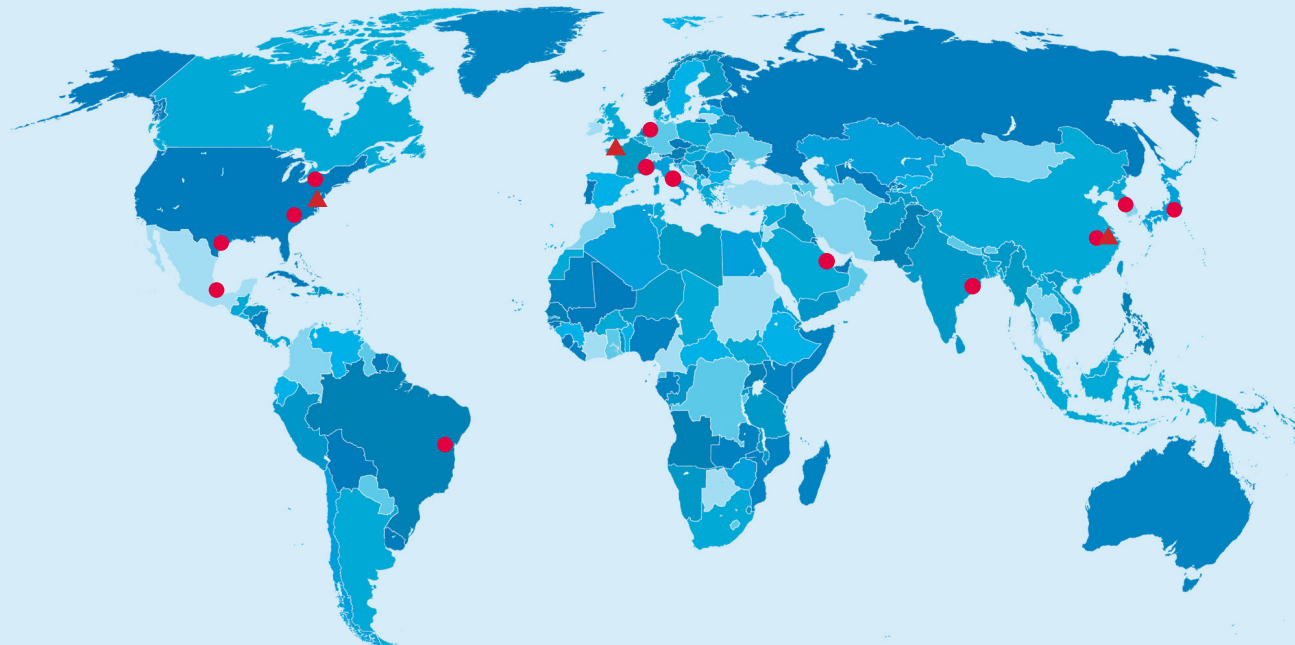
Luperox® 101PP20 crosslinking peroxide is packaged in 100 lbs. drums.

Availability

Luperox® 101PP20 crosslinking peroxide is available worldwide from regional manufacturing sites. To discuss availability or speak to a salesperson, please call 844-LUPEROX.

LUPEROX®
BY ARKEMA

LUPEROX® ORGANIC PEROXIDES WORLDWIDE



- Organic Peroxides Plants
- ▲ Research Centers

- Piffard, NY
- Franklin, VA
- Crosby, TX
- Coatza, MX
- Rio Claro, BR

- ▲ King of Prussia, PA

- Gunzberg, DE
- Spinetta, IT
- Anagni, IT
- Jubail, KSA
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+01 844 LUPEROX

luperox.com

Arkema Inc.
900 First Avenue
King of Prussia, PA 19406
USA
Tel.: (+1) 610 205 7000

Arkema (China) Investment Co., Ltd. - Shanghai
6/F Block 1, Life Hub@Daning
1868 Gonghexin Road
200072 Shanghai, China
Tel: (+86) 21 6147 6888

Headquarters: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex - France
Tel.: +33 (0)1 49 00 80 80
Fax: +33 (0)1 49 00 83 96
arkema.com

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