

TBPB

Chemical name	Tert-Butyl Peroxybenzoate	
	Molecular formula	C11H14O3
O CH ₃	Molecular weight	194.23
	CAS NO.	614-45-9
$\langle \rangle$ C-O-O-C-CH ₃	UN NO.	3103
ĆH ₃	CN NO.	52076
	EINECS.	210-382-2

1.Brief Introduction:

TBPB is an efficient initiator for the ethylene polymerization under high pressure in both autoclave and tubular processes, also suitable for crosslinking of EPDM rubber compounds at ambient temperature within some weeks.

2. Specification:

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Appearance	clear liquid
Assay	98% min.
Color	≤ 100 Pt-Co
tert-Butyl hydroperoxide	≤1000mg/kg
Inorganic + organic hydrolyzable chloride	≤ 50 mg/kg

3. Half Life Data

• 10hr.Half Life Temp......104°C

• 1 hr.Half Life Temp......125°C

• 1 min.Half Life Temp......171°C

4. Safety Data

• SADT......60°C

5. Package and Storage

20kg, 25kg PE drum packing

Store at $10 \sim 30^{\circ}$ C in a cool and ventilated place. For customers with high chroma requirements, it should be stored at $10 \sim 15^{\circ}$ C

6.Application:

TBPB can be used for the market segments: polymer production, polymer crosslinking, thermoset composites and acrylics production with their different applications/functions.

The data given in this document are based on our current scientific knowledge and practical experiences, and they are for reference only. Our technical department is willing to provide consultation and application services about the product. If customers have any questions, please feel free to contact us.