



**DATA SHEET / SPECIFICATIONS**  
**MELT-VISCOSITY MODIFIER MASTERBATCH**  
**VM PP 5X**

VM PP 5X is a masterbatch containing Peroxide type 2.5-Dimethyl 2.5-Di (Tertiobutylperoxy)hexane in a polypropylene base resin. It is used to increase fluidity of polypropylene and at the same time to narrow the molecular weight distribution. High flow PP is used in fiber and many kinds of molding applications.

**SPECIFICATIONS**

<i>Active peroxide content %</i>	<i>4.5 - 5.5</i>	<i>MO22-700*</i>
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**ADDITIONAL TYPICAL PROPERTIES**

<i>Appearance</i>	<i>Milky, opaque granules</i>	
<i>Bulk density</i>	<i>Approx. 0.500</i>	<i>MO28-700*</i>

\* POLYTECHS internal method

**USAGE**

VM PP 5X is used in the production of PP melt-blown fibers and in many different kinds of PP molding applications.

The preparation and the use of a masterbatch of peroxide with a low concentration is safe and easy to handle. VM PP 5X is only used in polypropylene resins.

**RECOMMENDED ADDITION RATES**

Examples of experimental results by extrusion at 230° C :

- 1 % of VM PP 5X will increase PP MFI from 3 to 15
- 1% of VM PP 5X will also increase PP MFI from 10 to 40.
- 2 % of VM PP 5X will increase PP MFI from 25 to 100.
- 4 % of VM PP 5X will increase PP MFI from 25 to 220.

**PACKAGING**

Product is packed in 25 kg PE bags on shrink-wrapped pallets of 1375 kg.  
Store in cool area, away from sparks or heat source.

*ED. 03/2005*