

**Product Texts**

SABIC® mLLDPE VM001 is a metallocene ethylene-hexene copolymer. It has a good processability and performs well in a wide range of general purpose and high performance blown film applications. Films produced with this grade offer good tensile and impact strength, puncture resistance and sealing properties. SABIC® mLLDPE VM001 is typically used for applications like heavy duty bags, agriculture film, stretch hood, lamination film, frozen bags. Properties have been measured on blown film of 25 µm and BUR = 2.5 Typical processing conditions for SABIC® mLLDPE VM001: processing temperatures 180 - 230 °C Blow up ratio: 2.0 - 4.0 This product is not intended for and must not be used in any pharmaceutical/medical applications.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>10</b>	MPa	ASTM D 638

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Vicat softening temperature, A	<b>106</b>	°C	ISO 306

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Haze	<b>20</b>	%	ASTM D 1003

<b>Film Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield, TD	<b>10</b>	MPa	ASTM D 882
Tensile Strength at Break, MD	<b>60</b>	MPa	ASTM D 882
Tensile Strength at Break, TD	<b>55</b>	MPa	ASTM D 882
Elongation at Break, MD	<b>550</b>	%	ASTM D 882
Elongation at Break, TD	<b>650</b>	%	ASTM D 882

**Characteristics**

**Features**

Copolymer