

**SABIC® PPcompound 7990E**

PP

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

SABIC® PPcompound 7990E is a mineral filled modified polypropylene. This material combines a very high flow with a high stiffness, it has been optimized for minimized VOC and FOG. Typical applications include non esthetical automotive interior parts and multi material injection molding (textile overmolding) such as door panels and interior trim. SABIC® PPcompound 7990E is a designated automotive grade. IMDS ID: 62454794

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>30</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2200</b>	MPa	ISO 527
Yield stress	<b>26</b>	MPa	ISO 527
Stress at break	<b>21</b>	MPa	ISO 527
Strain at break	<b>50</b>	%	ISO 527
Flexural modulus, 23°C	<b>2300</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>6</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	<b>2</b>	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	<b>67</b>	-	ISO 7619-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>130</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>150</b>	°C	ISO 306

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1040</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding