

**SABIC® PPcompound 8500**

PP

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

SABIC® PPcompound 8500 is an elastomer-modified mineral filled Polypropylene for automotive painted exterior applications. Its low density and excellent stiffness impact balance makes it suited for weight reduction designs. Typical applications include automotive exterior parts such as zero gap automotive bumper applications with complex and large shapes. SABIC® PPcompound 8500 is a designated automotive grade. IMDS ID: 154169376

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>9</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>1450</b>	MPa	ISO 527
Yield stress	<b>18</b>	MPa	ISO 527
Stress at break	<b>12</b>	MPa	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Flexural modulus, 23°C	<b>1500</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	<b>10</b>	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	<b>63</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>100</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>130</b>	°C	ISO 306

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1000</b>	kg/m <sup>3</sup>	ISO 1183