

**SABIC® PPcompound 9180**

PP

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

SABIC® PPcompound 9180 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material has been designed to combine a good performance profile with good processing. SABIC® PPcompound 9180 is a designated automotive grade. IMDS ID: 284711062

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>24</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>1900</b>	MPa	ISO 527
Yield stress	<b>25</b>	MPa	ISO 527
Stress at break	<b>15</b>	MPa	ISO 527
Strain at break	<b>35</b>	%	ISO 527
Flexural modulus, 23°C	<b>2050</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>20</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	<b>5</b>	kJ/m <sup>2</sup>	ISO 180/1A

<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>110</b>	°C	ISO 75-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1020</b>	kg/m <sup>3</sup>	ISO 1183