

**SABIC® PPcompound 5450**

PP

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

SABIC® PPcompound 5450 is a low density modified polypropylene. Material properties include very high flow, high impact and high stiffness with low shrinkage and CLTE and good process-ability. The material exhibits good esthetical behaviour with low tiger stripes visibility. Typical applications include automotive exterior parts such as zero gap automotive bumper applications with complex and large shapes. It can be used in painted and unpainted applications with UV stabilization added on demand. SABIC® PPcompound 5450 is a designated automotive grade. IMDS ID: 16484735

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1050	MPa	ISO 527
Yield stress	20	MPa	ISO 527
Stress at break	22	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1000	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	N	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	55	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	120	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	930	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

U.V. stabilized or stable to weather