

SABIC® PPcompound 8900

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 8900 is a mineral filled modified polypropylene. This material combines high flow with a very high stiffness and high impact, as well as a very low shrinkage and CLTE. The high stiffness and low CLTE makes the material suited for high demanding applications. Typical applications include automotive exterior parts such as large thin wall zero gap bumper designs and (offline painted) vertical body panels. It can be used in painted and unpainted applications with UV stabilization added on demand. SABIC® PPcompound 8900 is a designated automotive grade. IMDS ID: 62202096

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Yield stress	24	MPa	ISO 527
Stress at break	15	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Izod notched impact strength	3.5	kJ/m ²	ISO 180/1A
Shore D hardness	67	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	130	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather