

SABIC® PPcompound 9156

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 9156 is a mineral filled modified polypropylene. This material combines high scratch resistance, high stiffness, good impact and high flow. This material has a property profile that fulfills Ford Interior requirements. Typical applications include esthetical automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim. SABIC® PPcompound 9156 is a designated automotive grade. IMDS ID: 312951963

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1700	MPa	ISO 527
Yield stress	20	MPa	ISO 527
Stress at break	13	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Charpy notched impact strength, +23°C	25	kJ/m ²	ISO 179/1eA
Izod notched impact strength	6	kJ/m ²	ISO 180/1A

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

Other properties	Value	Unit	Test Standard
Density	1020	kg/m ³	ISO 1183