

SABIC® PPcompound 9152

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 9152 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 9152 is a designated automotive grade. IMDS ID: 180828769

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	14	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1800	MPa	ISO 527
Yield stress	22	MPa	ISO 527
Stress at break	18	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Charpy notched impact strength, +23°C	16	kJ/m ²	ISO 179/1eA
Izod notched impact strength	6	kJ/m ²	ISO 180/1A
Shore D hardness	65	-	ISO 7619-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	120	°C	ISO 75-1/-2
Vicat softening temperature, A	130	°C	ISO 306

Other properties

	Value	Unit	Test Standard
Density	1000	kg/m ³	ISO 1183