

SABIC® PPcompound 7707

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 7707 is a mineral filled modified polypropylene. This material combines high scratch resistance, high stiffness, good impact and high flow. This material has a very broad processing window combined with good esthetical performance. Typical applications include esthetical automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim. SABIC® PPcompound 7707 is a designated automotive grade. IMDS ID: 341431732

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	1700	MPa	ISO 527
Yield stress	15	MPa	ISO 527
Stress at break	22	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Izod notched impact strength	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, A	120	°C	ISO 306

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