

SABIC® PPcompound 6604/5

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 6604/5 is a mineral filled modified polypropylene. This material combines high scratch resistance, high stiffness, high impact and very high flow. This material has a very broad processing window and good esthical performance. Typical applications include automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim. SABIC® PPcompound 6604/5 is a designated automotive grade. IMDS ID: 16486807

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1750	MPa	ISO 527
Yield stress	22	MPa	ISO 527
Stress at break	16	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1650	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	60	-	ISO 7619-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	105	°C	ISO 75-1/-2
Vicat softening temperature, A	130	°C	ISO 306

Other properties

	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183