

SABIC® PPcompound 3020B

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 3020B is a 20% talc-filled Polypropylene. The material's high modulus and its thermal and UV stabilization makes it suitable for exterior applications, like cowl top panels. SABIC® PPcompound 3020B is a designated automotive grade. IMDS ID: 137751676

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	29	MPa	ISO 527
Stress at break	27	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Charpy notched impact strength, +23°C	4.4	kJ/m ²	ISO 179/1eA
Izod notched impact strength	2.2	kJ/m ²	ISO 180/1A
Shore D hardness	72	-	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	150	°C	ISO 306

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

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather