

SABIC® PPcompound 3220H

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 3220H is a 20% talc filled grade which is high heat stabilized, developed for under the bonnet applications. This material has been designed to combine a good performance profile with good processing. SABIC® PPcompound 3220H is a designated automotive grade. IMDS ID: 181948154

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Yield stress	36	MPa	ISO 527
Stress at break	28	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Charpy notched impact strength, +23°C	3.4	kJ/m ²	ISO 179/1eA
Izod notched impact strength	2	kJ/m ²	ISO 180/1A
Shore D hardness	75	-	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**

Heat stabilized or stable to heat