

Product Texts

SABIC® PPcompound 5020 is a modified Polypropylene which combines high impact, good stiffness and high flow. This material is available in natural and colored form for use in automotive interior applications. SABIC® PPcompound 5020 is a designated automotive grade. IMDS ID: 229129721

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1000	MPa	ISO 527
Yield stress	19	MPa	ISO 527
Stress at break	14	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1050	MPa	ISO 178
Charpy notched impact strength, +23°C	45	kJ/m ²	ISO 179/1eA
Izod notched impact strength	7	kJ/m ²	ISO 180/1A
Shore D hardness	64	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	905	kg/m ³	ISO 1183