

Product Texts

SABIC® PPcompound 9120 is an elastomer-modified mineral filled Polypropylene with excellent impact and stiffness ratio. Typical material applications are esthetical automotive interior parts. It has a very high scratch resistance, no stickiness and a high flow. SABIC® PPcompound 9120 is a designated automotive grade. IMDS ID: 115845433

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	21	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	21	MPa	ISO 527
Stress at break	12	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1650	MPa	ISO 178
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA
Izod notched impact strength	4	kJ/m ²	ISO 180/1A
Shore D hardness	65	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	110	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	990	kg/m ³	ISO 1183