

SABIC® PPcompound 108CS20

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 108CS20 is a material with good flow, impact and stiffness. The material is part of the SABIC® PP CS systems and also available as a CS system: using a mixture of 60% SABIC® PP 108MF10 and 40% SABIC® PPcompound 20MBT yields similar properties as listed below. SABIC® PPcompound 108CS20 is a designated automotive grade. IMDS ID: 111851732

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1500	MPa	ISO 527
Yield stress	20	MPa	ISO 527
Stress at break	17	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Izod notched impact strength	7	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	110	°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