SABIC® PPcompound 95610CS20

PP — Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PP customized solution (CS) is a concept based on a reactor elastomer-modified PP combined with a talcum filled masterbatch mixed at the injection-molding machine. SABIC® PP CS offers a low cost customized solution. The SABIC® PP CS concept offers optimal flexibility by creating the possibility to correct dimensions, if needed, in a fast, reliable and accurate way without affecting material logistics. This properties table contains typical values for SABIC® PP CS systems with 40% talcum masterbatch resulting in a material with 20% talcum. The polymer used is SABIC® PP 95610 and the masterbatch is the SABIC® PP compound 20MBT. IMDS ID: 16487435

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1250**	MPa	ISO 527
Yield stress	**17**	MPa	ISO 527
Stress at break	**18**	MPa	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**1300**	MPa	ISO 178
Charpy notched impact strength, +23°C	**N**	kJ/m²	ISO 179/1eA
Izod notched impact strength	**9**	kJ/m²	ISO 180/1A
Shore D hardness	**61**	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	**90**	°C	ISO 75-1/-2
Vicat softening temperature, A	**120**	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	**1040**	kg/m³	ISO 1183