

SABIC® PPcompound 8502

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 8502 is a modified mineral filled Polypropylene for automotive exterior applications. This material combines an excellent paint adhesion, high modulus, high impact and low density. SABIC® PPcompound 8502 is a designated automotive grade. IMDS ID: 148871138

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	8	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	19	MPa	ISO 527
Stress at break	12	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Izod notched impact strength	9	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	100	°C	ISO 75-1/-2
Vicat softening temperature, A	130	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1020	kg/m ³	ISO 1183