

SABIC® PPcompound 6614

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 6614 is a mineral filled modified polypropylene. This material combines high flow, good impact and a high stiffness level with a low shrinkage and CLTE. Typical applications include automotive exterior parts such as large thin wall zero gap bumper designs but also lateral siding and bumper strips. It can be used in painted and unpainted applications with UV stabilization added on demand. SABIC® PPcompound 6614 is a designated automotive grade. IMDS ID: 16486498

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1350	MPa	ISO 527
Yield stress	19	MPa	ISO 527
Stress at break	18	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1350	MPa	ISO 178
Charpy notched impact strength, +23°C	35	kJ/m ²	ISO 179/1eA
Izod notched impact strength	10	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	100	°C	ISO 75-1/-2
Vicat softening temperature, A	130	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1000	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather