

SABIC® PPcompound 8611P

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 8611P is an elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good stiffness and excellent impact performance with good processing and surface esthetics. This grade is UV stabilised and is suitable for painted applications also. SABIC® PPcompound 8611P is a designated automotive grade. IMDS ID: 482236763

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	37	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1650	MPa	ISO 527
Yield stress	20	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1650	MPa	ISO 178
Charpy notched impact strength, +23°C	34	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6	kJ/m ²	ISO 179/1eA
Izod notched impact strength	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	53	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	985	kg/m ³	ISO 1183
Density	970	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	210 - 270	°C	-
Mold temperature	15 - 60	°C	-
Zone 1	190 - 230	°C	-
Zone 2	200 - 250	°C	-
Zone 3	210 - 270	°C	-
Nozzle temperature	210 - 270	°C	-
Back pressure	1 - 1.5	MPa	-

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather