

SABIC® 8611P

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
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	0.985 g/cc	0.0356 lb/in ³	Injection molded sample ISO527-1A; ISO 1183
Filler Content	12 %	12 %	SABIC method
Linear Mold Shrinkage	0.0075 cm/cm	0.0075 in/in	Injection molded plaque 65x65x3.2 mm; SABIC method
Melt Flow	37 g/10 min @Load 2.16 kg, Temperature 230 °C	37 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527/1A
Elongation at Break	80 %	80 %	ISO 527/1A
Tensile Modulus	1.65 GPa	239 ksi	ISO 527/1A
Flexural Modulus	1.65 GPa	239 ksi	ISO 178/1A
Izod Impact, Notched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	N.B.: No Break; ISO 180/1A
	10.0 kJ/m ² @Temperature -20.0 °C	4.76 ft-lb/in ² @Temperature -4.00 °F	N.B.: No Break; ISO 180/1A
	30.0 kJ/m ² @Temperature 0.000 °C	14.3 ft-lb/in ² @Temperature 32.0 °F	N.B.: No Break; ISO 180/1A
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	53.0 °C	127 °F	ISO 75