SABIC® PPCOMPOUND 8900P

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8900P is a mineral filled modified polypropylene. This material combines high flow with a very high stiffness and high impact, as well as a very low shrinkage and CLTE. The high stiffness and low CLTE makes the material suited for high demanding applications. The material is UV stabilized.

SABIC® PPcompound 8900P is a designated automotive grade.

IMDS ID: 472158864

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	20	dg/min	ISO 1133
Density (1)	1080	kg/m³	ISO 1183
Filler content	25	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.6	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	2600	MPa	ISO 527/1A
stress at yield	24	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
Flexural test			
Flexural modulus	2300	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	30	kJ/m²	ISO 180/1A
at 0 °C	7	kJ/m²	ISO 180/1A
at -20 °C	3.5	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	130	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	50	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A
(2) Injection molded plaque 65x65x3.2mm
(3) N.B.: No Break