SABIC® PPCOMPOUND 8760

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8760 is a development grade, elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 8760 is a designated automotive grade.

IMDS ID: 1243681986

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	13	dg/min	ISO 1133
Density (1)	1014	kg/m³	ISO 1183
Filler content	16	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	1.0	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	1180	MPa	ISO 527/1A
Stress at yield	17	MPa	ISO 527/1A
Stress at break	12	MPa	ISO 527/1A
Strain at break	40	%	ISO 527/1A
Flexural test			
Flexural modulus	1510	MPa	ISO 178/1A
Izod impact notched (3)			
At 23 °C	47	kJ/m²	ISO 180/1A
At 0 °C	34	kJ/m²	ISO 180/1A
At -20 °C	12	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	51	°C	ISO 75
At 0.45 MPa (HDT/B)	86	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	97	µm/mK	ISO 11359-2

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