SABIC® PPCOMPOUND 7990E

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7990E is a mineral filled modified polypropylene. This material combines a very high flow with a high stiffness, it has been optimized for minimized VOC and FOG. Typical applications include non esthetical automotive interior parts and multi material injection molding (textile overmolding) such as door panels and interior trim.

SABIC® PPcompound 7990E is a designated automotive grade.

IMDS ID: 62454794

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	30	dg/min	ISO 1133
Density (1)	1040	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	1	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	2200	MPa	ISO 527/1A
stress at yield	26	MPa	ISO 527/1A
stress at break	21	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	4	kJ/m²	ISO 180/1A
at 0 °C	3	kJ/m²	ISO 180/1A
at -20 °C	2	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	75	µm/mK	ISO 11359-2

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