SABIC® PPCOMPOUND 3320EH

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC® PPcompound 3320EH is a high flow talcum filled Polypropylene. The stifness, low emission and heat aging performance make it suited for use in applications at elevated temperatures and emission requirements.

SABIC® PPcompound 3320EH is a designated automotive grade.

IMDS ID: 136529742

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)	1040	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	1.1	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	2550	MPa	ISO 527/1A
stress at yield	30	MPa	ISO 527/1A
stress at break	25	MPa	ISO 527/1A
strain at break	15	%	ISO 527/1A
Flexural test			
Flexural modulus	2600	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	2.7	kJ/m²	ISO 180/1A
at 0 °C	2.2	kJ/m²	ISO 180/1A
at -20 °C	-	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	120	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	70	µm/mK	ISO 11359-2

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