HAPSOFT™ S3625

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

HAPSOFT™ PPcompound (PPc) S3625 is a 25% short glass fiber reinforced polypropylene copolymer compound for injection moulding applications. The compound is UV stabilized and the glass fibers are chemically coupled to the PP matrix. This compound combines a matt surface, good sound dampening and excellent scratch resistance with soft-touch haptics and is especially designed to ensure the aesthetic quality of visible and touchable automotive interior.

HAPSOFT™ PPc S3625 is a designated automotive grade.
IMDS ID: 559182813

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	6.5	dg/min	ISO 1133
Density (1)	1070	kg/m³	ISO 1183
Filler content	25	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.4	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile			
Tensile modulus	3400	MPa	ISO 527/1A
stress at yield	45	MPa	ISO 527/1A
stress at break	45	MPa	ISO 527/1A
strain at break	7	%	ISO 527/1A
Flexural test			
Flexural modulus	3500	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	40	kJ/m²	ISO 180/1A
at -20 °C	20	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	120	°C	ISO 75
at 0.45 MPa (HDT/B)	155	°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