

HAPSOFT™ S3620

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

HAPSOFT™ PPcompound (PPc) S3620 is a 20% 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 applications. The grade is currently available in black and natural. All other colors are on request.

HAPSOFT™ PPc S3620 is a designated automotive grade.
IMDS ID: 679564115

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	8	dg/min	ISO 1133
Density ⁽¹⁾	1040	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.4	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	2600	MPa	ISO 527/1A
stress at break	35	MPa	ISO 527/1A
strain at break	7	%	ISO 527/1A
Flexural test			
Flexural modulus	2500	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	40	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	100	°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

