

# SABIC<sup>®</sup> PPCOMPOUND S3615

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound S3615 is a 15% 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.

SABIC<sup>®</sup> PPcompound S3615 is a designated automotive grade.

IMDS ID: 678406405

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt flow rate (MFR)</b>			
at 230 °C and 2.16 kg	7	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	990	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	15	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.5	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile</b>			
Tensile modulus	2300	MPa	ISO 527/1A
stress at yield	35	MPa	ISO 527/1A
stress at break	35	MPa	ISO 527/1A
strain at break	5	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	2100	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	30	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	20	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	13	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	108	°C	ISO 75
at 0.45 MPa (HDT/B)	-	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-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

