

# SABIC<sup>®</sup> PPCOMPOUND 9135A

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 9135A is an elastomer-modified mineral filled Polypropylene with excellent impact and stiffness ratio. Typical material application are light esthetical automotive interior parts. It has a very high scratch resistance, no stickiness and a high flow. The material has anti static performance to reduce dust attraction.

SABIC<sup>®</sup> PPcompound 9135A is a designated automotive grade.

IMDS ID: 153097567

## 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	22	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1010	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	17	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1800	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	12	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1900	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	12	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	7	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	-	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	-	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-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

