

# SABIC® PPCOMPOUND 5040

PP COMPOUND IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 5040 is an impact-modified Polypropylene for automotive interior applications. This material is emission optimized and has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 5040 is a designated automotive grade.

IMDS ID: 666993041

## 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	30	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	905	kg/m³	ISO 1183
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	1.4	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile</b>			
Tensile modulus	1450	MPa	ISO 527/1A
stress at yield	25	MPa	ISO 527/1A
stress at break	16	MPa	ISO 527/1A
strain at break	25	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1500	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	8	kJ/m²	ISO 180/1A
at 0 °C	6	kJ/m²	ISO 180/1A
at -20 °C	4	kJ/m²	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	135	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

