

SABIC® PPCOMPOUND 3010UE

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 3010UE is an elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine high flow and high modulus in combination with good surface esthetics and emission, and makes this grade suitable for exterior applications, like cowl top panels.

SABIC® PPcompound 3010UE is a designated automotive grade.

IMDS ID: 576219516

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	30	dg/min	ISO 1133
Density ⁽¹⁾	960	kg/m³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.1	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	2000	MPa	ISO 527/1A
stress at yield	28	MPa	ISO 527/1A
stress at break	21	MPa	ISO 527/1A
strain at break	15	%	ISO 527/1A
Flexural test			
Flexural modulus	2100	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	5	kJ/m²	ISO 180/1A
at 0 °C	-	kJ/m²	ISO 180/1A
at -20 °C	-	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	-	°C	ISO 75
at 0.45 MPa (HDT/B)	-	%	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

