

SABIC® PPCOMPOUND 1761

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 1761 is an impact-modified polypropylene for lead acid start battery case application. This material is stress whitening resistance optimized with excellent cold impact performance, and has been designed to combine a good performance profile with good processing.

TYPICAL PROPERTY VALUES

Revision 20210531

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	3.5	dg/min	ISO 1133
Density ⁽¹⁾	900	kg/m³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.10	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1200	MPa	ISO 527/1A
stress at break	17	MPa	ISO 527/1A
strain at break	45	%	ISO 527/1A
Flexural test			
Flexural modulus	1100	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	50	kJ/m²	ISO 180/1A
at -20 °C	4	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	88	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.

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