

SABIC® PPCOMPOUND 1630

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 1630 is a mineral filled Polypropylene, it has been designed to provide superior barrier properties and improved organoleptics. It is suitable for thermoforming for food contact applications and combines a good mechanical performance with good processing.

IMDS ID: 19122014

TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	6	dg/min	ISO 1133
Density ⁽¹⁾	1120	kg/m³	ISO 1183
Filler content	30	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	4000	MPa	ISO 527/1A
stress at yield	37	MPa	ISO 527/1A
stress at break	30	MPa	ISO 527/1A
strain at break	5	%	ISO 527/1A
Flexural test			
Flexural modulus	3900	MPa	ISO 178/1A
Izod impact notched ⁽²⁾			
at 23 °C	3	kJ/m²	ISO 180/1A
at 0 °C	3	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	133	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) 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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CHEMISTRY THAT MATTERS™

