







# SABIC® PPCOMPOUND 1240D

PP COMPOUND MINERAL FILLED

## **DESCRIPTION**

SABIC® PPcompound 1240D is a mineral filled Polypropylene for dishcare applications. Material properties include an excellent stiffness and high thermal stabilization. This material has been designed to combine a good heat aging performance with good surface aesthetics making it suitable for visible dishwasher's interior parts.

#### **TYPICAL PROPERTY VALUES**

Revision 20230703

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	20	dg/min	ISO 1133
Density <sup>(1)</sup>	1250	kg/m³	ISO 1183
Filler content	40	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.95	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	4500	MPa	ISO 527/1A
Stress at yield	31.7	MPa	ISO 527/1A
Stress at break	32	MPa	ISO 527/1A
Strain at yield	2.2	%	ISO 527/1A
Strain at break	2.3	%	ISO 527/1A
Flexural test			
Flexural modulus	5000	MPa	ISO 178/1A
Izod impact notched <sup>(3)</sup>			
At 23 °C	2	kJ/m²	ISO 180/1A
At 0 °C	1.8	kJ/m²	ISO 180/1A
At -20 °C	1.6	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	130	°C	ISO 75
At 0.45 MPa (HDT/B)	85	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	56	μm/mK	ISO 11359-2

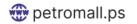
<sup>(1)</sup> Injection molded sample ISO527-1A

## 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.

<sup>(2)</sup> Injection molded plaque 65x65x3.2mm

<sup>(3)</sup> N.B.: No Break







#### **DISCLAIMER**

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