

SABIC® PPCOMPOUND 8500D

PP COMPOUND IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8500D is an elastomer-modified mineral filled Polypropylene for automotive painted exterior applications. Its low density and excellent stiffness impact balance makes it suited for weight reduction designs. Typical applications include automotive exterior parts such as zero gap automotive bumper applications with complex and large shapes.

SABIC® PP compound PP 8500D is a designated automotive grade

IMDS:1011706738

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	11	dg/min	ISO 1133
Density ⁽¹⁾	1000	kg/m ³	ISO 1183
Filler content	14	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1300	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	12	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
Flexural test			
Flexural modulus		MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	NB	kJ/m ²	ISO 180/1A
at -20 °C	10	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)		°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

