SABIC® PP 95610

PP SUPER HIGH IMPACT

DESCRIPTION

SABIC® PP 95610 is a reactor-elastomer-modified material which offers an excellent cold impact resistance. It is a highly attractive alternative to non-filled compounds and is commonly used for car bumpers.

SABIC® PP 95610 is a designated automotive grade.

IMDS ID: 80775790

TYPICAL PROPERTY VALUES

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	900	kg/m³	ISO 1183
Mould shrinkage (1)			
24 hours after injection moulding	1.5	%	SABIC method
FORMULATION			
Anti static agent	☐	-	-
Nucleating agent	☐	-	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield (2)	18	MPa	ISO 527-2 1A
strain at yield	9	%	ISO 527-2 1A
tensile modulus (3)	850	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	No Break	kJ/m²	ISO 180/1A
at 0 °C	No Break	kJ/m²	ISO 180/1A
at -20 °C	45	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	No Break	kJ/m²	ISO 179/1eA
at 0 °C	No Break	kJ/m²	ISO 179/1eA
at -20 °C	No Break	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	No Break	kJ/m²	ISO 179/1eU
Hardness Shore D	50	-	ISO 868
THERMAL PROPERTIES			
Vicat Softening Temperature (4)			
at 10 N (VST/A)	125	°C	ISO 306
at 50 N (VST/B)	49	°C	ISO 306

(1) All measurements on injection molded samples.
(2) Speed of testing: 50 mm/min
(3) Speed of testing: 1 mm/min
(4) Temperature rate: 120°C/h