SABIC® PP CX02-82

PP HIGH CRYSTALLINITY

DESCRIPTION

SABIC® PP CX02-82 is an emission optimised high crystalline copolymer. It offers high stiffness, in perfect balance with high thermal dimensional stability, impact resistance and flow. This material has excellent aesthetic properties as well and is typically used for automotive interior applications. It is the obvious alternative to conventional talc-filled copolymers, offering considerable weight saving advantage.

SABIC® PP CX02-82 is a designated automotive grade.

IMDS ID: 80775790

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	15	dg/min	ISO 1133
Density	905	kg/m³	ISO 1183
Mould shrinkage			
24 hours after injection moulding [1]	1.6	%	SABIC method
Emission	<50	µg C/g	VDA 277
FORMULATION			
UV stabilized	☑	-	-
Anti static agent	☐	-	-
Nucleating agent	☑	-	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield [2]	27	MPa	ISO 527-2 1A
strain at yield	4	%	ISO 527-2 1A
tensile modulus [3]	1550	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	11	kJ/m²	ISO 180/1A
at 0 °C	7	kJ/m²	ISO 180/1A
at -20 °C	6	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	12.5	kJ/m²	ISO 179/1eA
at 0 °C	8	kJ/m²	ISO 179/1eA
Hardness Shore D	65	-	ISO 868
THERMAL PROPERTIES			
Vicat Softening Temperature [4]			
at 10 N (VST/A)	151	°C	ISO 306
at 50 N (VST/B)	80	°C	ISO 306