



# SABIC<sup>®</sup> PP CX02-81

PP HIGH CRYSTALLINITY

## DESCRIPTION

SABIC<sup>®</sup> PP CX02-81 is a 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<sup>®</sup> PP CX02-81 is a designated automotive grade.

IMDS ID: 80775790

## TYPICAL PROPERTY VALUES

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