

## Polypropylene Aramco PP CP390NK

### Product Description

Aramco PP CP390NK is a block copolymer polypropylene resin and is typically used for industrial and thin wall injection molding application. It has high melt flow and molded parts made from this resin typically exhibits good impact, high stiffness and good heat stability.

This product is formulated with nucleating agent.

### Typical Applications

Crates, electrical appliances, thin wall applications and industrial applications.

This product is not intended for use in medical and pharmaceutical applications.

Physical Properties	Unit	Test Method	Value <sup>(1)</sup>
Melt Flow Index (230°C/2.16kg)	g/10min	ASTM D1238	39
Density	g/cm <sup>3</sup>	ASTM D792 Method A	0.9
<b>Mechanical Properties<sup>(2)</sup></b>			
Tensile Strength at Yield	MPa	ASTM D638	24
Tensile Strength at Break	MPa	ASTM D638	16
Flexural Modulus	MPa	ASTM D790	1280
Izod Impact, Notched 23 °C	kJ/m <sup>2</sup>	ASTM D256	9
Izod Impact, Notched -20 °C	kJ/m <sup>2</sup>	ASTM D256	5
Hardness Rockwell	R scale	ASTM D785	86
<b>Thermal Properties<sup>(2)</sup></b>			
Vicat Softening Temperature @10N	°C	ASTM D1525	149
Heat Deflection Temperature 0.45 MPa	°C	ASTM D648	118
<b>Other Properties</b>			
Shrinkage MD/TD	%	SUMIKA	1.4 / 1.6
Flammability		UL94	HB

(1) Typical values only, not to be construed as specification limits

(2) Test specimen preparation method : Pursuant to ASTM D4101

**Processing conditions:** Recommended melt temperature : 190 – 230 °C

**Storage and handling:** Aramco PP CP390NK should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C

### Saudi Aramco: Company General Use

Disclaimer: © Saudi Aramco Products Trading Company. All information supplied by or on behalf Saudi Aramco Products Trading Company in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Saudi Aramco Products Trading Company assumes no liability whatsoever in respect of application, processing or use made of the provided information or products, or any consequence thereof. The user is solely responsible and liable with respect to the application, processing or use of the provided information or product, whose quality and other properties shall be verified, or any consequence thereof. No liability whatsoever shall attach Saudi Aramco Products Trading Company for any infringement of the rights provided to distributors and users in this document, including the right to use the product, processing or use of the provided information or products, solely by the user. Its trade name, trademarks and other information.