

# Polypropylene

## Aramco PP CP245NA

### Product Description

Aramco PP CP245NA is a block copolymer polypropylene resin and is typically used for industrial injection molding application. It has a medium melt flow and molded parts made from this resin typically exhibits good impact, high stiffness and good heat stability.

This product is formulated with anti-static agent and nucleating agent for enhanced stiffness.

### Typical Applications

Crates, pails, electrical 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	24.5
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	26
Tensile Strength at Break	MPa	ASTM D638	17
Flexural Modulus	MPa	ASTM D790	1430
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	6
Hardness Rockwell		ASTM D785	91
<b>Thermal Properties<sup>(2)</sup></b>			
Vicat Softening Temperature @10N	°C	ASTM D1525	151
Heat Deflection Temperature 0.45 MPa	°C	ASTM D648	124
<b>Other Properties</b>			
Shrinkage MD/TD	%	SUMIKA	1.4 / 1.7
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 CP245NA should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C

**Food Contact and other Regulations:** Aramco PP CP245NA resins are suitable for food contact applications. Detailed information is provided in Material Safety Datasheet and for additional specific information, please contact Saudi Aramco Products Trading Company for certificates.

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