

# 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.

	Unit	Test Method	Value <sup>(1)</sup>
<b>Physical Properties</b>			
Melt Flow Index (190°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