

Polypropylene

Aramco PP CP245NK

Product Description

Aramco PP CP245NK 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 nucleating agent.

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 ⁽¹⁾
Melt Flow Index (230°C/2.16kg)	g/10min	ASTM D1238	24.5
Density	g/cm ³	ASTM D792 Method A	0.9
Mechanical Properties⁽²⁾			
Tensile Strength at Yield	MPa	ASTM D638	24
Tensile Strength at Break	MPa	ASTM D638	17
Flexural Modulus	MPa	ASTM D790	1290
Izod Impact, Notched 23 °C	kJ/m ²	ASTM D256	8
Izod Impact, Notched -20 °C	kJ/m ²	ASTM D256	5
Hardness Rockwell	R scale	ASTM D785	90
Thermal Properties⁽²⁾			
Vicat Softening Temperature @10N	°C	ASTM D1525	151
Heat Deflection Temperature 0.45 MPa	°C	ASTM D648	109
Other Properties			
Shrinkage MD/TD	%	SUMIKA	1.4 / 1.4
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 CP245NK should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C

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