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Aramco Trading

Polypropylene

Aramco PP CP55N

Product Description

Aramco PP CP55N is a block copolymer polypropylene resin and is typically used for general purpose injection molding application. Molded parts made from this resin typically exhibits high impact and high stiffness.

This product is formulated with nucleating agent.

Typical Applications

Battery casing, containers, chairs, seat bases, general purpose.

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

Physical Properties	Unit	Test Method	Value[1]
Melt Flow Index (190°C/2.16kg)	g/10min	ASTM D1238	5.5
Density	g/cm³	ASTM D792 Method A	0.9
Mechanical Properties[2]			
Tensile Strength at Yield	MPa	ASTM D638	25
Tensile Strength at Break	MPa	ASTM D638	13
Flexural Modulus	MPa	ASTM D790	1170
Izod Impact, Notched 23 °C	kJ/m²	ASTM D256	10
Izod Impact, Notched -20 °C	kJ/m²	ASTM D256	4
Hardness Rockwell		ASTM D785	90
Thermal Properties[2]			
Vicat Softening Temperature @10N	°C	ASTM D1525	154
Heat Deflection Temperature 0.45 MPa	°C	ASTM D648	106
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 CP55N 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 CP55N 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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