



# Polypropylene

## Aramco PP HP150G

### Product Description

Aramco PP HP150G is a homopolymer polypropylene resin and is typically used for injection molding applications. Molded parts made from this resin typically exhibits high stiffness, good heat resistance and good flow characteristic.

### Typical Applications

General purpose, housewares.

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

Physical Properties	Unit	Test Method	Value <sup>(1)</sup>
Melt Flow Index (190°C/2.16kg)	g/10min	ASTM D1238	15
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	34
Tensile Strength at Break	MPa	ASTM D638	28
Flexural Modulus	MPa	ASTM D790	1700
Izod Impact, Notched 23 °C	kJ/m <sup>2</sup>	ASTM D256	2.0
Hardness Rockwell		ASTM D785	105
<b>Thermal Properties<sup>(2)</sup></b>			
Vicat Softening Temperature @10N	°C	ASTM D1525	152
Heat Deflection Temperature 0.45 MPa	°C	ASTM D648	116
<b>Other Properties</b>			
Shrinkage MD/TD	%	SUMIKA	1.2 / 1.2
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 : 160 – 240 °C

**Storage and handling:** Aramco PP HP150G 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 HP150G 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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