



# Polypropylene

## Aramco PP HP150GK

### Product Description

Aramco PP HP150GK 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 (230°C/2.16kg)	g/10min	ASTM D1238	15
Density	g/cm <sup>3</sup>	ASTM D792 Method A	0.9
Mechanical Properties <sup>(2)</sup>			
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	R scale	ASTM D785	105
Thermal Properties <sup>(2)</sup>			
Vicat Softening Temperature @10N	°C	ASTM D1525	158
Heat Deflection Temperature 0.45 MPa	°C	ASTM D648	116
Other Properties			
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 HP150GK should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C

### Saudi Aramco: Company General Use

Disclaimer: © Saudi Aramco Products Trading Company. All information supplied by or on behalf Saudi Aramco Products Trading Company in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Saudi Aramco Products Trading Company assumes no liability whatsoever in respect of application, processing or use made of the provided information or products, or any consequence thereof. The user is solely responsible and liable with respect to the application, processing or use of the provided information or product, whose quality and other properties shall be verified, or any consequence thereof. No liability whatsoever shall attach Saudi Aramco Products Trading Company for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the provided information or products by the user. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers and other information.