



# KPOL - PP

## Product Data Sheet

**Polypropylene Homopolymer with high transparency and gloss**

# K-HC 40.0

**Melt Flow Rate 40,0**

**Density 0,905**

### Applications

- Injection Molding of thin parts like cups, closures, appliances, housewares, etc.
- High transparency packaging for food and cosmetics. Thin walled parts and easy mould filling.

### Characteristics

- The Kapol resin is an extra high fluidity homopolymer with high transparency and gloss. It is a controlled rheology grade.

Grade	Additives Package
Kpol - K-HC 40.0	Antioxidant

Properties	ASTM Testing	Units	Values	
<b>Resin Properties</b>				
Melt Flow Rate	MFI	D 1238 (190°C; 2,16 kgf)	g/10 min	40
Density	D 792 (23°C)	g/cm <sup>3</sup>	0,905	
<b>Properties in standard test tubes by compression molding</b>				
Tensile Strength @ yield	D 638 (50 mm/min, IV)	Mpa	35	
Elongation @ break	D 638 (50 mm/min, IV)	%	10	
Flexural Modulus - 1% Secant	D 790	GPA	1.4	
Rockwell Hardness	D 785 ( R Scale )	-	101	
Notched Izod Impact	D 256	J/m	24,0	
Vicat Softening Point	D 1525 ( 10N / Rate A )	°C	154	
Deflection Temperature Under Load	D 648 ( 0,45 Mpa )	°C	111	

This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.

The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.

This document cannot be considered as a warranty, express or implied, including a warranty of commercialization or adjustment for a specific purpose.

This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.