



# PP 674K

PP Random co-polymer for Injection Molding

## Product Description

PP 674K is specially developed for producing injection molded & ISBM articles with high clarity and also has better impact properties than homo PP counterparts.

PP 674K has following features:

- Consistent processability
- Good stiffness
- Excellent clarity

## Typical Applications

PP 674K can be used for clear houseware & packaging items, appliances, caps & closures, lids and baby bottles (ISBM).

## Typical data

Properties	Unit	Value <sup>(1)</sup>	ASTM Method
<b>Resin Properties</b>			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	10	D 1238
Density @ 23°C	kg/m <sup>3</sup>	905	D 792
<b>Mechanical Properties <sup>(2)</sup></b>			
Tensile Strength @ Yield	MPa	28	D 638
Tensile Elongation @ Yield	%	12	D 638
Flexural Modulus (1% Secant)	MPa	1050	D 790A
Notched Izod Impact Strength @ 23°C	J/m	85	D 256
Rockwell Hardness, R-Scale	-	94	D 785
<b>Thermal Properties <sup>(2)</sup></b>			
Vicat Softening Point	°C	128	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	83	D 648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.

## Processing Conditions

Barrel temperature range: 210 - 230°C.

Mold Shrinkage: 1.2 - 2.0 % depending on wall thickness and processing conditions.

Mold Temperature: Normally 15 - 40°C, up to 65°C for thick parts.

## Food Regulation

PP 674K is suitable for food contact application. Detailed information is provided in the relevant Material Safety Data Sheet and for additional specific information please contact SABIC local representative for certificate.

## **Storage and Handling**

PP resin should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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