

# K4510

## Polypropylene (PP)

### Description:

K4510 is a Random Copolymer Polypropylene (Random co-PP), which has high transparency and medium melt flow index for using in injection molding or inject stretch blow molding process. The features is high clarity and moderate impact strength. It's suitable used for household products such as baby bottle, consumer products, etc.

### Typical applications;

Injection molding: baby bottle, housewares, consumer products

Physical Properties:	Method	Unit	Value
Density	ISO1183	g/cm <sup>3</sup>	0.90
Melt Flow Index (2.16 kg/230°C)	ISO1133	g/10min.	10
Tensile Strength at Yield	ISO 527-1	MPa	30
Charpy Notched Impact Strength (at 23°C)	ISO179	kJ/m <sup>2</sup>	4.3
Flexural Modulus (1% SECANT)	ISO178	MPa	1150
Heat Distortion Temperature @ 4.6 kg	ISO75	°C	80

### Processing Technique

**Processing Temperature : 190 – 240 °C**

\*\*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.\*\*

**Remark:** The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.