

KGT 422 is a nucleated polypropylene random copolymer with high fluidity and outstanding transparency.

### Applications

- Household containers, housewares
- Packaging for food, cosmetics and pharmaceutical products
- Clear tubs and pots for ice cream, yoghurt and other desserts
- Medical sector such as syringes, test tubes and vials
- Lids, caps and closures
- CD and DVD boxes
- Injection stretch blow molded containers and bottles
- Sports, leisure and toys

### Processing Method

- Injection molding
- Injection stretch blow molding

Resin properties	Typical Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Rate (23°C/2.16Kg)	25	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1100	MPa	ASTM D790
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
<b>Thermal</b>			
Vicat softening temp(A50 (50 °C/h 10N)	130	°C	ASTM D1525
H.D.T. (0.46 MPa)	80	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
<b>Optical</b>			
Haze (20µm)	13	%	ASTM D1003
Gloss	80	-----	ASTM D2457