

KGT 423 is a polypropylene random copolymer with high fluidity and outstanding transparency.

Applications

- Household containers, housewares
- Packaging for food, cosmetics and pharmaceutical products
- TWIM
- Lids, caps and closures
- Medical sector such as syringes, test tubes and vials
- Sports, leisure and toys
- CD and DVD boxes
- Bottles and containers produced with ISBM

Processing Method

- Injection molding
- Injection stretch blow molding

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Flow Rate (23°C/2.16Kg)	40	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1100	MPa	ASTM D790
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Thermal			
Vicat softening temp(A50 (50 °C/h 10N)	128	°C	ASTM D1525
H.D.T. (0.46 MPa)	82	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
Optical			
Haze (20µm)	11	%	ASTM D1003
Gloss	90	-----	ASTM D2457