

KGT 618 is a polypropylene homopolymer for injection moulding applications. This combines high stiffness and fairly good impact strength with good process-ability.

Applications

- Housewares
- Caps and closure
- Small containers, toys
- Parts for small appliances and components for the automotive industry

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Flow Rate (230 0C, 2.16kg)	3.2	dg/min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1450	N/mm ²	ISO 178
Tensile Strength at Yield	34	N/mm ²	ISO R 527
Elongation at Yield	13	%	ISO R 527
Izod Impact Strength (notched) at 23 °C	5	KJ/m ²	ISO 180
Hardness Shore D	71	Points	ISO 868
Thermal			
Vicat softening point (9.8 N)	155	°C	ISO 306/A
H.D.T. (0.46 Mpa)	110	°C	ISO 75/B
Accelerated oven ageing in air (forced circulation) at 150 °C	360	Hours	ISO 4577