

KGT 434 is a high melt flow rate, nucleated heterophasic copolymer with a special antistatic addition used for thin-wall injection molding, IML and houseware applications. The product features improved balance of mechanical properties. The use of it allows high productivity due to the easy mold filling and short cycle times.

Applications

- TWIM/IML food containers (Margarine tubs, yoghurt pots, pots for soft cheese, pudding, etc.)
- Housewares
- Caps and closures
- Flower pots and cool boxes
- Sports, leisure and toys

Processing Method

- Injection molding

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Flow Rate (23°C/2.16Kg)	50	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1450	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	65	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	45	J/m	ASTM D256
Thermal			
Vicat softening temp(A50 (50 °C/h 10N)	155	°C	ASTM D1525
H.D.T. (0.46 MPa)	105	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012