

KGT 432 is a medium flow heterophasic polypropylene copolymer with improved balance of mechanical properties. The product features high stiffness and outstanding impact strength at low temperatures and is specifically designed for injection molding applications. In comparison with conventional copolymers with the same MFR and same rigidity, it, exhibits 35 % higher toughness.

It is suitable for a wide range of applications in the packaging, automotive and consumer goods industries.

Applications

- Packaging, automotive and consumer goods industries
- Luggage, paint pails, buckets
- Containers, crates, batteries and large toys

Processing Method

- Injection molding

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Flow Rate (23°C/2.16Kg)	6	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	500	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	60	J/m	ASTM D256
Thermal			
Vicat softening temp(A50 (50 °C/h 10N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	90	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012