

KGT 411 is a polypropylene homopolymer with good flow properties and is particularly suitable for the extrusion of film yarn, monofilament, cast film and sheet. This combines outstanding processability with good mechanical properties. Film yarn made of this is used for baler twines, packaging twines and ropes.

Applications

- Baler twines, packaging twines and ropes
- Brush and broom filling and technical applications
- Coextruded film for packaging
- Thin sheet for stationery folders
- Sheet for thermoforming
- Gun, sacks

Processing Method

- Fiber Extrusion (Sheet, film yarn, monofilament)
- Cast film

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	1400	MPa	ASTM D790
Tensile Strength at Yield	2	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	40	J/m	ASTM D256
Thermal			
Vicat softening temp(A50 (50 °C/h 10N)	152	°C	ASTM D1525
H.D.T. (0.46 MPa)	84	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012