

KGT 416 is a polypropylene homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines suitable process ability with good mechanical properties.

### Applications

- Stiff sheet for high quality thermoforming such as vending
- cups, packaging for dairy products and trays for fruit, biscuits and chocolates
- Film yarn, raffia, tapes, strapping
- Carpet backings, bags, industrial fabrics, mats
- Artificial grass
- Baler twines, packaging twines and ropes
- Brush and broom filling and technical applications
- Nets for various purposes

### Processing Method

- Extrusion (film, yarn, monofilament, sheet)
- Thermoforming

Resin properties	Typical Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Rate (23°C/2.16Kg)	3.2	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	50	J/m	ASTM D256
<b>Thermal</b>			
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