

KGT 418 is a high melt flow rate homopolymer with a narrow molecular weight distribution for the high speed production of low denier continuous filament for spunbonded, nonwoven fabrics with an excellent balance of mechanical properties and softness. This grade is formulated with an antigasfading stabilization package.

Applications

- Spunbonded, nonwoven fabrics
- Fabrics for diapers, feminine care, medical and sanitary tissues
- Protective fabrics for agricultural, industrial and medical applications
- Backings and linings for the furniture and carpet industries
- Oriented yarn and bulked continuous filament
- Wipe and Tissues

Processing Method

- Extrusion (Filament)
- Fiber Spinning

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Flow Rate (23°C/2.16Kg)	42	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	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