

KGT 451 is a terpolymer of ethylene, propylene and butene-1 for high Strength application especially heavy duty shipping sacks, ice bag, frozen food bags, potato bags and agriculture films which have good seal-ability and excellent puncture resistance.

Applications

- T-bags and other bags
- Food Packaging for frozen products Agricultural film
- Heat seal film
- Food Packaging

Additives

(MFI: 0.4-0.6 - Density: 0.918-0.922)

- Thermal Antioxidant (Process Stabilizer)
- Catalyst neutralizer (acid scavenger, lubricant)
- Anti-blocking Agent

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Index (190°C/ 2.16Kg)	0.5	g/10min	ASTM D1238
Density	0.918	g/cm ³	ASTM D1505
Mechanical			
Dart Impact	125	g	ASTM D1709
Vicat Softening Point	127	°C	ASTM D1525
Tensile Elongation at Yield (MD/TD)	11/10	MPa	ASTM D638
Tensile Strength at break (MD/TD)	40/35	MPa	ASTM D638
Ultimate elongation (MD/TD)	600/750	%	ASTM D638
Elmendorf Tear (MD/TD)	240/400	g	ASTM D1922
Optical			
Haze	30	%	ASTM D1003
Gloss 45°	25	----	ASTM D2457