

KGT 452 is a linear-low density polyethylene resin (LLDPE), obtained by gas phase technology process. This grade designed for the production of different type of films and agricultural tapes.

Applications

- Lamination films
- Agricultural Films and Tapes
- Shrink Film
- Industrial Film
- Frozen Food Packing

Additives

- Thermal Antioxidant (Process Stabilizer)
- Catalyst neutralizer (Acid scavenger, lubricant)

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Index (190°C/ 2.16Kg)	0.6	g/10min	ASTM D1238
Density	0.923	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	385	MPa	ASTM D790
Tensile Strength at Yield (MD/TD)	11.5/12	MPa	ASTM D882
Tensile Strength at Break (MD/TD)	47/28	MPa	ASTM D882
Tensile Elongation at Break	>600	%	ASTM D882
Elmendorf Tear (MD/TD)	130/470	gr	ASTM D1922
Hardness	55	Shore D	ASTM D2240
ESCR	>1000	hr	ASTM D 1693
Notched Izod impact at 23°C	127	°C	ASTM D3418