

KGT 453 is a LLDPE blown film grade designed for applications requiring good optical properties even.

Applications

- Blown film grade
- General Purpose applications

Additives

(MFI: 0.85-1.05 / Density: 0.922-0.924)

- 453 AA
 - Thermal Antioxidant (Process Stabilizer)
 - Catalyst neutralizer (acid scavenger, lubricant)
- 453 KJ
 - Catalyst neutralizer (acid scavenger, lubricant)
 - Antiblocking Agent
 - Slip Agent
 - Thermal Antioxidant (Process Stabilizer)

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	70	g	ASTM D1709
Elmendorf Tear	105/436	g	ASTM D1922
Tensile Strength at Yield (MD/TD)	11/12	MPa	ASTM D882
Tensile Strength at break (MD/TD)	41/31	MPa	ASTM D882
Ultimate elongation (MD/TD)	648/780	%	ASTM D882
Haze	48	%	ASTM D1003
Gloss 45°	10	----	ASTM D2457

@ 25 micron film obtained on Collin 25, B.u.R. 2.5: 1, Temp. profile 155 190°C.

Recommended processing conditions			
Melt Temperature	190-230	°C	----
Blow up ratio	2.0-3.0	----	----
Die Gap	2.0-2.5	mm	----
Thickness	15-150	micron	----