



Polymers


 Chemical &
Aromatics

 Fuel & Feeds
Stock

HDPE 7000 F

Film Grade

PROPERTIES	Test Method	Value	Value
Resin Properties			
Melt flow rate	ASTM D 1238 @ 190 °C, 2.16 kg	0.04	g/10 min
Density	ASTM D 1505	0.954	g/cm ³
Melting Point	ASTM D 2117	131	°C
Vicat Softening Point	ASTM D 1525	124	°C
Brittleness Temperature	ASTM D 746	< -60	°C
ESCR	ASTM D 1693 @ 50 °C	> 1000	hrs,F50
Film Properties			
Tensile Strength at yield	ASTM D 638 @crosshead speed 50 mm /min	MD:_,TD:250*	kg/cm ²
Tensile Strength at break	ASTM D 638 @crosshead speed 50 mm /min	MD:620*,TD:310*	kg/cm ²
Tensile Modulus, 2% secant	ASTM D 638 @crosshead speed 50 mm /min	MD:8200*,TD:8000*	kg/cm ²
Elongation at Break	ASTM D 638 @crosshead speed 50 mm /min	MD:240*,TD:450*	%
Elmendorf Tear Strength	ASTM D 1922	MD:3*,TD:80*	g
Dart Impact Strength	ASTM D 1709	139*	g

(*)Properties obtained from film produced on a pilot line, 12 micron,BUR 5:1, MD Machine Direction, TD= transverse direction note: Conversion factor for changing unit from kg/cm² to Mpa is divided by 10.2

APPLICATION

recommend film thickness at 10-20 micron _____ shoeing bag and T-shirt bag
 high tensile strength with good dart impact strength _____ garbage bag
 low gel content _____ liner bag
 good moisture barrier _____ enhanced ultra thin film
 food contact applicable _____ high stiffness
 good impact resistance and processability _____ wide service temperature range, UV resistance