



VIRA PROSHOT

– Oil & Petrochemical –

KİMYA SANAYİ VE DIŞ TİCARET LTD.

VIRA PROSHOT OIL & PETROCHEMICAL COMPANY

1 Product description:

HIGH DENSITY POLYETHYLENE 7000F (97%) + CC (3%)

Property	Method	Value	Unit
Resin Properties			
Melt Flow Rate	ASTM D 1238 @ 190 °C, 2.16 kg	0.035-0.055	g/10 min
Density	ASTM D 1505	0.960-0.974	g/cm ³
Melting Point	ASTM D 2117	130 -140	°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

(Condition: Compression Molded, 25% Igepal)

Property	Method	Value	Unit
Film Properties			
Tensile Strength at Yield	ASTM D 638 @ crosshead speed 50mm/min	MD: 380*, TD: 250*	kg/cm ²
Tensile Strength at Break	ASTM D 638 @ crosshead speed 50mm/min	MD: 620*, TD: 310*	kg/cm ²
Tensile Modulus, 2% Secant	ASTM D 638 @ crosshead speed 50mm/min	MD: 8200*, TD: 8000*	kg/cm ²
Elongation at Break	ASTM D 638 @ crosshead speed 50mm/min	MD : 240*, TD : 450*	%
Elmendorf Tear Strength	ASTM D 1922	MD : 3*, TD : 80*	g
Dart Impact Strength	ASTM D 1709	139*	g
Gloss	ASTM D 2457	5.8	GU
Haze	ASTM D1003	85.5	%

Typical Application

- ◆ Recommend film thickness at 10-25 micron
- ◆ High tensile strength with good dart impact strength
- ◆ Low gel content
- ◆ Good moisture barrier
- ◆ Food contact applicable
- ◆ Good impact resistance and processability
- ◆ Shopping bag and T-shirt bag
- ◆ Garbage bag
- ◆ Liner bag
- ◆ Enhanced ultra thin film
- ◆ High stiffness
- ◆ Wide service Temperature range, UV resistance

VIRA PROSHOT KİMYA SANAYİ VE DIŞ TİCARET LİMİTED ŞİRKETİ

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