HDPE 4903

Enhanced Polyethylene High Performance Film Resin

FILM

RESIN PROPERTIES [1]

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.08
190°C/5.0 kg	–	–	0.30
190°C/21.6 kg (HLMI)	–	–	10
Density	D792	g/cm^3	0.949
Melting Temperature	D3418	°F	270

FILM PROPERTIES [1] [2]

	Method	Unit	Typical Value
Dart Impact	D1709, A	g	235
Elmendorf Tear	D1922	g (MD/TD)	10 / 35
Tensile Strength at Break	D882	psi (MD/TD)	7,000 / 5,400
Elongation at Break	D882	% (MD/TD)	340 / 410
1% Secant Modulus	D882	psi (MD/TD)	122,000 / 94,000

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) Film was produced at 0.5 mil with a 4:1 BUR, Neck Height = 10DD, gap 0.9mm.

CHARACTERISTICS:

- Multimodal enhanced resin made with Borstar® 3G Technology
- Easy processability, with excellent bubble stability and draw down
- Excellent impact strength-stiffness balance

APPLICATIONS:

- Thin protection film
- T-shirt bags
- Heavy-duty shipping bags
- Food packaging
- Boutique bags
- Thin bags
- Industrial films and liners