POLYROL inc.
Your Best Source for Flexible Packaging Materials

Enhanced Poly –
Linear Low Density Polyethylene (EP)

Enhanced Poly is a widely used bag on a roll film that is high-strength and puncture resistant, without the premium cost of clarity resins. The film is available in clear, white opaque and clear/white combination. Mil equivalent films are stronger at a lower mil and allow more bags on a roll, which results in reduced shipping costs.

Polyrol pre-opened bags on a roll are guaranteed to run on most industry standard equipment.

USER BENEFITS
- Easily processed
- Versatility
- High strength and puncture resistant

TYPICAL APPLICATIONS
- Automotive
- Medical
- Food
- Crafts
- Any application where durabilty is required

TECHNICAL SPECIFICATIONS
Compliances: FDA 21 CFR 177.1350
FDA 21 CFR 177.1520
MIL-DTL-117H TYPE III Class B (MT only)
Press Printing: Yes
Imprinting: Yes
Mil Thickness: 1.09, 1.32, 1.54, 2.0, 2.8, 3.9

Performance Data	U/M	1.09/ UL	1.32/LD	1.54/SD	2.0/ET	2.8/ST	3.9/MT	ASTM
Haze	%	10.1	10.4	10.7	14.2	18.2	18.9	D-1003
Puncture Resistance (Dart)	grams	195	210	233	310	395	540	D-1709
Tensile Strength MD	psi	4960	4669	4631	4332	4303	4179	D-882A
Tensile Strength TD	psi	3744	3731	3700	3664	3554	3479	D-882A
Elongation MD	%	507	536	540	545	613	723	D-882A
Elongation TD	%	611	619	634	655	674	731	D-882A
Elmendorf Tear MD	grams	269	315	374	585	988	1508	D-1922
Elmendorf Tear TD	grams	865	926	939	1162	1418	2094	D-1922
OTR	cc/100in^2/day	389	349	324	224	172	110	D-3985
MVTR	g/100in^2/day	.719	.70	.616	.443	.326	.214	F-1249

Above chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect Enhanced Poly material only. Certain minimum purchase volumes may apply.

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For high quality materials combined with superior service and value, look no further than Polyrol for your flexible packaging needs.