

PolyClean™ High Density Polyethylene Blend (PLC1)

PolyClean™ (PLC1) is a high density, rich blend of polyethylene resins free of slip agents and other additives that can cause scratching and other undesirable reactions with bag contents.

PLC1 offers higher strength at lower gauges than low density polyethylene, making the material semi-transparent. PLC1 is an inherent barrier film with its exceptionally low moisture vapor transmission rate (MVTR). Its rigidity makes PLC1 ideal for applications that require tear notches.

Genuine Autobag® bags-on-a-roll and SidePouch® bags-in-a-box are system-matched and guaranteed to run on Automated Packaging Systems' equipment.

Technical Information

Compliances	FDA 21 CFR 117.1350 FDA 21 CFR 177.1520
Press Printing	Yes
Imprinting	Yes
Trim Seal	No
Bag Mil Thickness	1.5, 2.0, 3.0
Bag Configurations	Autobag; SidePouch with restrictions

Performance Data:	U/M	1.5/LD	2.0/SD	3.0/ET	ASTM
Haze	%	30.6	36.4	48.2	D-1003
Puncture Resistance (Dart)	grams	120	140	275	D-1709
Tensile Strength MD	psi	5511	5260	4704	D-882A
Tensile Strength TD	psi	4811	4054	3633	D-882A
Elongation MD	%	712	800	831	D-882A
Elongation TD	%	837	882	909	D-882A
Elmendorf Tear MD	grams	122	130	405	D-1922
Elmendorf Tear TD	grams	1085	1426	1497	D-1922
OTR	cc/100in ² /day	120	81	59	D-3985
MVTR	g/100in ² /day	0.33	0.28	0.21	F-1249

Formulations

• PLC1



Features & Benefits

- Higher strength at lower gauges
- Exceptional MVTR
- Protects against surface abrasion



Chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect PLC1 material only. Certain minimum purchase volumes may apply.

888-AUTOBAG | info@autobag.com | autobag.com

Automated Packaging Systems, Inc. 10175 Philipp Parkway, Streetsboro, Ohio 44241

Patent(s): www.autobag.com/patents

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