

# Orthoform™

Over 100,000 people rely on our Orthopedic and Prosthetic Sheets for strength and flexibility.



**S&L Plastics, Inc.** is proud to manufacture the Orthoform™ line of orthopedic and prosthetic sheet. Our Orthoform polyolefin based sheet is durable, has great flexural strength and can be formulated to give you the stiffness or tensile strength you require.

**S & L Plastics, Inc.** monitors our production and material to assure you consistent processing parameters whether you are die cutting, forming or compression molding.

**Applications include:** splints, stiffeners, braces, casts etc.

**Sheet range:** Stock available in 48" x 96" sheets in gauge range from .060" to .25" thickness

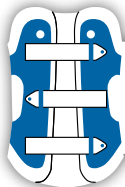
## Challenge our experts!

We will work with you to develop the material that best suites your application.

Please contact us for an estimate by calling (610) 759-0280 ext. 156 or e-mail: [orthoform@slpinc.cc](mailto:orthoform@slpinc.cc).

[www.slpinc.cc](http://www.slpinc.cc)

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**S&L PLASTICS, INC.**  
WHERE PLASTICS TAKE SHAPE





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Polyolefin based Orthopedic and Prosthetic Sheet for strength and flexibility.

Material	SI Unit	ASTM	LDPE	MOD PE	HDPE	PPH	PPC
Specification # Reference Only	—	—	PURCH-20 LDPE2000	PURCH-30 LDPE4000	PURCH-19 HDPE5440	PURCH-23 PPHO1055 PPHO2000	PURCH-22 PPCO4000
Melt Flow Rate	g/10 min	D 1238	2.0	1.0	0.4	0.5	0.45
Density	g/cm 3	D 1505	.918 - .920	.93	.954	.90	.90
Tensile Strength @ Yield	PSI	D 638	1800	2500	4000	500	3900
Elongation @ Yield	%	D 638	—	—	16	12	11
Elongation @ Break (ultimate)	%	D 638	500	600	700	—	—
Flexural Modulus (1% sec)	PSI	D 790	32,000	52,000	170,000	160,000 – 210,000	160,000
Deflection Temp. @ 66 psi	F	D 648	100	100	168	190	190
Tensile Impact	ft-bs/in2	D 1822	—	—	100	—	—
Notched Impact	ft-lb/in2	D 256	—	—	—	1.3	10
Dart Impact 1.5 mil Method A	G	D-1709	100	—	—	—	—

CRT LIT 08P Rev. 2 3/7/07

