

orthoform®

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Orthoform Materials

Purch-24 Rev 12 dated 8-1-12.

Material	SI Unit	ASTM	LDPE	MOD PE	HDPE	LLDPE	PPH	PPC
Specification # Reference only	--	--	Purch-20	Purch-35	Purch-19	Purch-33	Purch-23	Purch-22
Melt Flow Rate	g/10 min	D 1238	2.0	1.0	0.35	.80	0.50	0.45
Density	g/cm 3	D 792B D1505 D4883	.919	.93	.954	.920	.90	.90
Tensile Strength @ Yield	PSI	D 638	1500	2500	4100	2170	4900	4060
Elongation @ Yield	%	D 638	--	---	16	---	13	11
Elongation @ Break	%	D 638	650	600	600	700	--	--
Flexural Modulus (1% sec)	PSI	D 790A	35,000	52,000	178,000	40,000	200,000	162,000
Deflection Temp. @ 66 psi	F	D 648	100	100	169	118	190	190
Tensile Impact	ft-bs/in2	D 1822	--	--	161	--	--	--
Notched Impact	ft-lb/in2	D 256A	--	--	--	--	1.3	No break
Dart Impact 1.5 mil Method A	G	D-1709	100	--	--	--	--	--

A product line of ...

