

**orthoform®**

# Material Datasheet HDPE (Co-polymer)

PURCH-19 Rev. 04 Dated 8-1-12

**General: HDPE-High Density Polyethylene (co-polymer)  
FDA 21 CFR 177.1520**

<u>Physical Properties</u>	<u>ASTM Test</u>	<u>Value</u>	<u>Unit</u>
Melt Flow Rate	D-1238	.35	g/10 min
Density	D-1505	.954	g/cm <sup>3</sup>
Tensile Strength @ Yield	D-638	4100	psi
Elongation @ Break	D-638	600	%
Flexural Modulus (1% sec.)	D-790	178,000	psi
Deflection temp. @66 psi.	D-648	169	F
Tensile Impact	D-1822	161	ft-lbs/in <sup>2</sup>
Impact Brittleness Temp	D-746	< -105	F
Vicat softening Point	D-1525	261	F



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