



**DAKOTA LINEAR LOW DENSITY POLYETHYLENE
6B, 10B, 20B, 30B & 40B**

Properties	Test Method	6B	10B	20B	30B	40B
Appearance		Black	Black	Black	Black	Black
Thickness (Nominal)	ASTM D5199	5.8 mil	10.1 mil	20 mil	29.5 mil	41.5 mil
Weight Per MSF (lbs)		30	50.0	100	150	200
*1" Tensile Strength (ppi) A - Break Strength B - Break Strength	ASTM D882	18.9 20.9	49.2 49.7	65 58.3	75.7 61	N/T
**Elongation At Break (ppi) A - Elongation Break B - Elongation Break	ASTM D882	1095 1382	1184 1262	1064 956	1034 854	850 800
*Tear Resistance (lbs) A - Tear Strength B - Tear Strength	ASTM D1004	5 4.8	7.5 7.3	13.2 12.4	16 19	27
*Trapezoid Tear (lbs) A - Tear Strength B - Tear Strength	ASTM D4533	19.8 17.6	28.7 26.9	50.5 46.1	62.8 58.2	N/T
Hydrostatic Resistance (psi)	ASTM D751 , Procedure A	30 psi	45 psi	100 psi	163 psi	250 psi
Puncture Resistance lbf (N)	ASTM D4833	N/T	N/T	39 (173)	52 (231)	75
Volatile Loss	ASTM 1203	N/T	N/T	<1%	<1%	<1%
Resistance to Soil Burial (% change max in orig. value)	ASTM D3083	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%
Maximum Use Temp		180°	180°	180°	180°	180°
Minimum Use Temp		-70°F	-70°F	-70°F	-70°F	-70°F
Carbon Black %	ASTM D1603 or D4218	2	2	2.5	2.5	2.5

* Tests are an average of machine direction and transverse directions. **Elongation can vary.

The values listed are typical properties and are intended to be used as guidelines only, not as specification limits. No guarantee or warranty is made by Integra Plastics, Inc. as the manner of use, handling and site conditions are beyond our control. Install in accordance with accepted industry standard.