



## DAKOTA HIGH DENSITY POLYETHYLENE HDPE 30, HDPE 40, HDPE 60 SMOOTH

Properties	Test Method	HDPE 30	HDPE 40	HDPE 60
Thickness (min ave) (min)	ASTM D5199	30 mil 27 mil	40 mil 36 mil	60 mil 54 mil
Resin Density (g/cc)	ASTM D1505	>0.932	>0.932	>0.932
Melt Index (g/10 min.)	ASTM D1238	1.0	1.0	1.0
Sheet Density (g/cc)	ASTM D1505	>0.94	>0.94	>0.94
Carbon Black Content (%)	ASTM D4218	>2.0/<3.0	>2.0/<3.0	>2.0/<3.0
Carbon Black Dispersion	ASTM D5596	Category 1 & 2	Category 1 & 2	Category 1 & 2
Oxidation Induction Time (min ave)	ASTM D3895	100	100	100
Tensile Properties (min ave) Strength at Yield Elongation at Yield Strength at Break Elongation at Break	ASTM D663	66 ppi 13% 122 ppi 700%	84 ppi 13% 162 ppi 700%	130 ppi 13% 243 ppi 700%
Tear Resistance (min ave)	ASTM D1004	21 lbs.	28 lbs.	42 lbs.
Puncture Resistance (min ave) (ASTM)	ASTM D4833	60 lbs.	80 lbs.	122 lbs.
Dimensional Stability (%)	ASTM D1204	+/- 2	+/- 2	+/- 2
Stress Crack Resistance (SP-NCTL)	ASTM D5397	300 hr.	300 hr.	300 hr.
Oven Aging (min ave)	ASTM D5721 ASTM D5885	80%	80%	80%
UV Resistance (min ave) (GRI-GM-11)	ASTM D5885	50%	50%	50%

Supply Specifications (Roll dimensions may vary +/- 1%)

Roll Dimension - Width		22.3 ft.	22.3 ft.	22.3 ft.
Roll Dimension - Length		1,000 ft.	780 ft.	520 ft.
Area (Surface/Roll)		22,300 sq ft.	17,394 sq ft.	11,596 sq ft.

Note: 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 standards.