



TITAN MDPE 80mil
Food Grade
Medium-Density Polyethylene

PROPERTY	TEST PROCEDURE	VALUE (metric)
Thickness (min avg.)	ASTM D-5199	2.044 mm (80mil)
Thickness (min)	ASTM D-5199	1.98 mm
Resin Density	ASTM D-792	>0.939 g/cc
Melt Index-190/2.16 (max.)	ASTM D-1238	0.23 g/10min.
Sheet Density	ASTM D-1505	>0.94 g/cc
Carbon Black Content	ASTM D-4218	N/A
Carbon Black Dispersion	ASTM D-5596	10 IN CAT 1
Oxidation Induction Time (min. avg)	ASTM D-3895	100 min.
Tensile Properties (min. avg) (2)	ASTMD-6693	
Strength at Yield		36 kN/m
Elongation at Yield		17.94%
Strength at Break		68 kN/m
Elongation at Break		904.9%
Tear Resistance (min.avg)	ASTM D-1004	307 N
Puncture Resistance (min. avg)	ASTM D-4833	723 N
Dimensional Stability	ASTM D-1204	-0.15%
Stress Crack Resistance (SP-NCTL)	ASTM D-5397	300 hr.
Oven Aging-%retained after 90 days	ASTM D-5721	
HP-OIT (min.avg)	ASTM D-5885	80%
UV Resistance-% retained after 1600 hr	GRI-GM-11	
HP-OIT (min. avg.)	ASTM D-5885	50%

SUPPLY SPECIFICATIONS	UNIT
Roll Dimensions – Width	7.0 m (23 ft)
Roll Dimensions – Length	126.49 m (415 ft)
Area (Surface/Roll)	886 m ² (9,545 ft ²)

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