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HIGH-DENSITY POLYETHYLENE - MATTE TYPICAL PROPERTIES

Property	Units	Value	ASTM Method
ASTM Type, Class, Category	—	IV,A,4	D 1248
Density	g/cm ³	0.960	D 1505
Environmental Stress Crack Resistance, F50	hrs.	—	D 1693
	hrs.	—	D 2561
Hardness	Shore D	68	D 2240
Mechanical			
Property	Units	Value	ASTM Method
Tensile Strength @ Break	psi	4,400	D 638
Elongation @ Break	%	>600	D 638
Flexural Modulus	psi	220,000	D 790
1% Secant Modules	psi	—	D 790
Tensile Impact, (2)	ft-lb/in	100	D 1822
Thermal			
Low Temperature Brittleness, F50	°C	<-76	D 746
Heat Deflection Temperature @ 66 PSI	°C	78	D 648
Vicat Softening Point	°C	125	D 1525

HDPE - MATTE meets the standard established by Food and Drug Regulation 21 CFR 177.52 for all food contact, USDA, and the Department of Canadian Agriculture.