



SPECIFICATION SHEET

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High Density Polyethylene (HDPE)

12 - 20 mil

Property	Test Method	Values	
Thickness, mils (min average)	ASTM D5199	12	20
Density (g/cm ³ minimum)	ASTM D1505	0.94	0.94
Tensile Properties- Each Direction	ASTM		
Tensile Strength at Break, lbs/in. width (N/mm)	D6693 Type IV	45(8)	76(13)
Tensile Strength at Yield, lbs/in. width (N/mm)	Dumbell, 2 ipm	24 (4)	40 (7)
Elongation at Break (%)	G.L. 2.0 in	700	700
Elongation at Yield (%)	G.L. 1.3 in	12	12
Tear Resistance, lbs (N)	ASTM D1004	8(35)	13(60)
Puncture Resistance, lbs (N)	ASTM D4833	21(93)	36(160)
Carbon Black, (%) minimum	ASTM D1603	2	2
Carbon Black Dispersion	ASTM D5596	NOTE (1)	NOTE (1)
Oxidative Induction Time (minutes)	ASTM D 3895 200°C, O ₂ , 1atm	>100	>100

Note 1: 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.

Supply Information (Standard Roll Dimensions)

Thickness (mils)	Width (ft)	Length (ft)	Approximate Area (SqFt)
12	19	1,800	34,200
20	19	1,230	23,370

NOTES: 1.) All rolls are supplied with two slings. 2.) All rolls are fitted with a 5.5 inch ID cardboard core.

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