

## GeoBase Product Data

Materials	Test Method	GB 11	GB 12	GB 1515	GB 2020	GB 3030	GB 3030L
Polymer	-	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Construction	-	Extruded	Extruded	Extruded	Extruded	Extruded	Extruded

Tensile Properties		kN/m		lbs/ft		kN/m		lbs/ft		kN/m		lbs/ft	
Ultimate Tensile Strength - MD/XMD	ASTM D6637	12.4 /	850 /	19.2 /	1,310 /	15.0 /	1,027 /	20.0 /	1,370 /	30.0 /	2,055 /	30.0 /	2,055 /
		19.0	1,300	28.8	1,970	15.0	1,027	20.0	1,370	30.0	2,055	30.0	2,055
Tensile Strength @ 2% Strain - MD/XMD	ASTM D6637	4.1 /	280 /	6.0 /	410 /	5.5 /	376 /	7.4 /	479 /	11.0 /	753 /	10.5 /	719 /
		6.6	450	9.0	620	5.5	376	7.4	479	11.0	753	10.5	719
Tensile Strength @ 5% Strain - MD/XMD	ASTM D6637	8.5 /	580 /	11.8 /	810 /	10.5 /	719 /	14.4 /	959 /	21.0 /	1,439 /	21.0 /	1,439 /
		13.4	920	19.6	1,340	10.5	719	14.4	959	21.0	1,439	21.0	1,439

Structural Integrity							
Junction Efficiency (%)	ASTM D7737/ D6637	93%	93%	93%	93%	93%	93%
Flexural Stiffness (mg-cm)	ASTM D7748	250,000 mg-cm	750,000 mg-cm	250,000 mg-cm	700,000 mg-cm	2,000,000 mg-cm	2,000,000 mg-cm
Aperture Stability (m-N/deg)	ASTM D7864	0.32 m-N/deg	0.65 m-N/deg	0.30 m-N/deg	0.37 m-N/deg	0.75 m-N/deg	0.75 m-N/deg

Ultraviolet Stability							
UV % Strength Retained @ 500 hrs	ASTM D4355	100%	100%	100%	100%	100%	100%
Carbon Black Content	ASTM D1603	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Chemical Damage Stability	EPA 9090A	100%	100%	100%	100%	100%	100%

Physical Properties													
Aperture Dimensions - MD/CMD	in / mm	1.0 / 1.3	25 / 33	1.0 / 1.3	25 / 33	1.6 / 1.6	40 / 40	1.6 / 1.6	40 / 40	1.6 / 1.6	40 / 40	2.6 / 2.6	66 / 66
Minimum Rib Thickness - MD/CMD	in / mm	0.03 / 0.03	0.76 / 0.76	0.05 / 0.05	1.27 / 1.27	0.05 / 0.03	1.2 / 0.7	0.07 / 0.05	1.7 / 1.2	0.09 / 0.05	2.4 / 1.3	0.09 / 0.05	2.4 / 1.3
Roll Width	ft	12.9	3.9	12.9	3.9	12.9	3.9	12.9	3.9	12.9	3.9	12.9	3.9
Roll Length	ft	328	100	246	75	328	100	328	100	164	50	164	50
Area Per Roll	SQY	471.0	390	353.3	292.50	471.0	390	471.0	390	235.5	195	235.5	195
Weight Per Roll	LBS	180	81.65	201	91.17	160	72.57	201	91.17	157	71.21	159	72.12

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