



HADCO METAL TRADING CO. LLC



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Engineering Plastics

Acetal Natural **Acetal Black** **Nylon 6/6 Natural** **PTFE Virgin**

Acetal Natural **Acetal Black** **Nylon 6/6 Natural**

Diameter in Inches



Thickness in Inches



Pounds per Foot(lbs/ft)

	Acetal Natural	Acetal Black	Nylon 6/6 Natural	PTFE Virgin
3/16	0.017	0.017	0.014	0.026
1/4	0.030	0.030	0.024	0.046
5/16	0.047	0.047	0.038	0.072
3/8	0.068	0.068	0.055	0.104
1/2	0.120	0.120	0.097	0.185
5/8	0.188	0.188	0.152	0.289
3/4	0.270	0.270	0.218	0.416
7/8	0.368	0.368	0.297	0.566
1	0.481	0.481	0.388	0.739
1 1/8	0.608	0.608	0.491	0.935
1 1/4	0.751	0.751	0.607	1.155
1 3/8	0.909	0.909	0.734	1.397
1 1/2	1.081	1.081	0.874	1.663
1 5/8	1.269	1.269	1.025	1.951
1 3/4	1.472	1.472	1.189	2.263
2	1.923	1.923	1.553	2.956
2 1/4	2.433	2.433	1.966	3.741
2 1/2	3.004	3.004	2.427	4.618
2 3/4	3.635	3.635	2.937	5.588
3	4.326	4.326	3.495	6.650

Pounds per Square Foot(lbs/sf)

	Acetal Natural	Acetal Black	Nylon 6/6 Natural
1/32	0.230	0.230	0.185
1/16	0.459	0.459	0.371
1/8	0.918	0.918	0.742
3/16	1.377	1.377	1.112
1/4	1.836	1.836	1.483
5/16	2.295	2.295	1.854
3/8	2.754	2.754	2.225
1/2	3.672	3.672	2.966
5/8	4.590	4.590	3.708
3/4	5.508	5.508	4.450
7/8	6.426	6.426	5.191
1	7.344	7.344	5.933
1 1/4	9.180	9.180	7.416
1 1/2	11.02	11.02	8.90
1 3/4	12.85	12.85	10.38
2	14.69	14.69	11.87
2 1/4	16.52	16.52	13.35
2 1/2	18.36	18.36	14.83
2 3/4	20.20	20.20	16.32
3	22.03	22.03	17.80

Standard Length 10 feet 10 feet 10 feet 6 feet

Standard Size 24"x48" 24"x48" 24"x48"
48"x120" 48"x120"

Density (lb/in³) 0.051 0.051 0.041 0.078 0.051 0.051 0.041

We can offer a wide range of Engineering and High Temperature Plastics: POM(Acetal, TECAFORM™, Delrin™), PA(Polyamide, TECAMID®(extruded), TECAST™(cast Nylon), PEEK(Polyetheretherketone, TECAPEEK™), PTFE(Polytetrafluoroethylene, Teflon™), PEI(Polyetherimide, TECAPEI™, Ultem®), UHMW PE (Ultra High Molecular Weight Polyethylene) and more.



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Product Information

Name	Properties	Applications
Extruded Nylon (Nylon 6/6, PA 6/6, TECAMID® 6/6)	Low frictional, high temperature properties and excellent resistance to grease, oil and solvents. Weak resistance, propensity to absorb moisture and thus poor dimensional stability. FDA approved grades.	Gears, seals, electronics, automotive and marine parts, industrial valves.
Cast Nylon (Nylon 6PA, PA /TECAST 6PA)	Excellent bearing, abrasion and corrosion resistance. High strength and toughness. Machines and fabricates easily. Weight and noise reduction and superior creep resistance.	Bearings, bushings, gears, wheels, sprockets and rollers. Industrial and construction, pulp and paper processing equipment, steel mills.
Acetal Copolymer (POM C/TECAFORM AH)	Excellent machinability, good mechanical, bearing and abrasion properties. Offers good dimensional stability. High strength, stiffness and toughness. Has a hard, scratch resistant surface and is resistant to hot water.	Gears, bushings, fittings, bearings, rollers, pump parts and pulleys.
Acetal Homopolymer (POM H, DELRIN®)	Family of Acetal. Superior tensile properties, chemical resistance to fuels and solvents. Fatigue endurance, creep resistance and toughness in comparison to acetyl copolymer.	Bearing, valves, bushings, rollers. Devices that require extra toughness, wet environment.
PTFE (Teflon®)	Low friction, excellent dielectric properties. Used for applications where sliding action of parts is needed. In these applications it performs better than nylon and acetal; although UHMW-PE is more resistant to wear than PTFE	Plain bearings, gears, slide plates, etc.