



HADCO

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ISO/IEC 17021
MANAGEMENT SYSTEMS
CERTIFICATION BODY



HADCO METAL TRADING CO., LLC

ENGINEERING
PLASTICS

NYLON, ACETAL,
PTFE, PC,
ABS, PEEK,
PEI, PE, PVC

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www.hadco-metal.com

ENGINEERING PLASTICS

PRODUCT INFORMATION

NAME	PROPERTIES	APPLICATIONS	PRODUCTS
<p>EXTRUDED NYLON</p> <p>Also Known As: NYLON 6/6, PA 6/6, TECAMID® 6/6</p>	<p>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.</p>	<p>Gears, seals, electronics, automotive and marine parts, industrial valves.</p>	<p>Rods: From 1/2" up to 5" Color: Natural</p>
<p>CAST NYLON</p> <p>Also Known As: NYLON 6, PA 6 C, TECAST™</p>	<p>Excellent bearing, abrasion and corrosion resistance. High strength and toughness, Machines and fabricates easily. Weight and noise reduction and superior creep resistance.</p>	<p>Bearings, bushings, gears, wheels, sprockets and rollers, Industrial and construction, pulp and paper processing equipment, steel mills.</p>	<p>Rods: From 2" to 12" Color: Natural/MO (Grey)</p> <p>Plates: From 1/4" to 4" Color: Natural/MO (Grey)</p>
<p>ACETAL COPOLYMER</p> <p>Also Known As: POM C TECAFORM™</p>	<p>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.</p>	<p>Gears, bushings, fittings, bearings, rollers, pump parts and pulleys.</p>	<p>Rods: From 1/4" to 9" Color: Natural/Black</p> <p>Plates: From 1/4" to 6" Color: Natural / Black</p>
<p>ACETAL HOMOPOLYMER</p> <p>Also Known As: POM H, DELRIN® TECAFORM™</p>	<p>Family of Acetal. Superior tensile properties, chemical resistance to fuels and solvents. Fatigue endurance, creep resistance and toughness in comparison to acetal copolymer.</p>	<p>Bearing, valves, bushings, rollers. Devices that require extra toughness, wet environment.</p>	<p>Rods: From 1/2" to 3 1/2" Color: Black/White</p>
<p>PTFE</p> <p>Also Known As: TEFLON™</p>	<p>Low friction, excellent dielectric properties. Used for application where sliding actions of part is needed. In these application it performs better than nylon and acetal; although UHMW-PE is more resistant to wear than PTFE.</p>	<p>Plain bearings, gears, slide plates, etc.</p>	<p>Plates: From 1/4" to 2" Color: Virgin</p>

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PC POLYCARBONATE	High toughness, electrically insulating, good machinability, easy to polish, good weldable and bondable, good heat deflection temperature, sensitive to stress cracking.	Electronical case and covers, optical storage media (CD,DVD), glasings, headlights, rear and side windows, lenses and inspection glasses, difderent medical disposables.	Rods: From 5/16" to 4" Color: Translucent Plates: From 5/8" to 2 1/4" Color: Translucent
ABS ACRYLONITRILE BUTADIENE STYRENE	High stiffness, electrically insulating, low density, good chemical resistance high toughness, good damping, low moisture absorption, good weldable and bondable.	Mirror housings, interior panelling, handle elements (automotive industry), housing components in the electronics industry.	Rods: From 1/2" to 3" Color: Ivory Plates: Fro m 5/8" to 2 1/4" Color: Ivory
PEEK POLYETHERETHERKETONE Also Known As: TECAPEEK™	Good heat deflection temperature, good machinability, inherent flame retardant, resistance against high energy radiation, good slide and wear properties, high creep resistance, very good chemical resistance, hydrolysis and superheated steam resistant.	PEEK is used for many applications for electronical, mechanical engineering, automotive, medical, food, oil and gas industries. Insulators, gear wheels, valves, rollers, surgical instruments and many more.	Rods: From 1/4" to 3 1/2" Color: Natural Plates: From 3/8" to 2 1/2" Color: Natural
PEI Also Known As: TECAPEI™ , ULTEM®	Resistance against high energy radiation, high thermal and mechanical capacity, high dimensional stability, inherent flame retardant.	Electronical coils and fuses, aerospace components for antenna constructions and components for interior equipment.	Rods: From 1/2" to 4" Color: Natural Plates: From 3/8" to 2 1/2" Color: Natural
UHMW PE ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE Also Known As: PE1000	High abrasion and wear resistance, low coefficient of friction, high impact strength.	Beverage and food industry, mechanical engineering, packaging industry.	Rods: From 1/2" to 3 1/2" Color: Black, Green, White Plates: From 5/8" to 2 1/4" Color: Black, Green, White
PVC - U POLYVINYL CHLORIDE Also Known As: TROVIDUR®	Very good chemical resistance, flame retardant, self-extinguishing after removal of flame, high rigidity, very good electrical insulation properties, high resistance to acids, lyes and salt solutions, easy processing by welding, thermoforming and glueing, excellent printability.	Chemical engineering and tank building, electrical industry and construction industry.	Rods: From 1" to 6" Color: Grey



HADCO METAL TRADING

Hadco Metal Trading is a service center for Aluminum, Stainless Steel, Steel, Copper and Brass, Magnesium, Plastics and related alloys in North America and worldwide. We serve our customers from our warehouses and logistics centers in the East, Midwest, and the West coast of the US, Korea, and from the facilities of our affiliates across the USA and around the globe. Hadco services more than 15,000 customers in various industries, including aircraft & aerospace, defense, semiconductors, architectural and construction, pharmaceuticals, hi-tech and more.

Hadco operates out of a Headquarter in the Bensalem Township in Pennsylvania, that includes a 380,000 sqft warehouse on 25 acres of land, and branches throughout the USA. Hadco invested in one of the largest automated KASTO storage warehouses in North America and in advanced processing capabilities. Our staff consists of top industry professionals, ready to support all of our customers' requirements.

Hadco carries a wide range of metal inventories in substantial quantities of plate, sheet, coil, rod, bar, tube and pipes.

Our precision cutting equipment enables industrial, aerospace and commercial customers to consistently get the exact shapes and sizes they require, on time. Hadco Metal Trading provides complete and current engineering data on its products. Hadco Metal Trading can help you get any facts and figures you need on non-standard materials.

Hadco's processes and systems are maintained according to the guidelines of AS 9100, the highest international standard for quality control and service assurance. These standards and systems in place ensure the traceability of products and the monitoring of services dedicated to quality and to customer requirements.



Hadco is proud to be a part of the **Scope Metal Group**, a leading international distributor and supplier of metal products and plastic products to industrial manufacturers, headquartered in Israel. Scope is a leading supplier of all the metal and plastic needs to customers throughout the globe. Hadco operates every day to provide and exceed customer service goals, as our brand and logo says: **“Our Service – Your Success”**.

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