

## Product Range

### Molded

- PE 2406/3408
- Socket Fusion Fittings
- Butt Fusion Fittings
- Saddles
- Fabricated Fittings
- Headers
- Specials

### ABS Minline Fittings

- Victaulic
- Solvent Weld
- Sweeps
- Fabricated

### Mechanical Fittings

- Compression
- Bolt on Saddles

## Ordering Information

To place, or verify the status of an order, contact us via:

Telephone: 705-495-6777  
Fax: 705-495-6820  
**Toll Free Tel: 1-888-433-0111**  
**Toll Free Fax: 1-866-495-6820**

Mailing Address:  
RAHN Plastics Inc.  
54 Ferris Drive  
North Bay, ON P1A 4M3  
CANADA

Our business hours are Monday to Friday 8:00 am – 4:30 pm

George Dutrisac – President  
Mark Dutrisac – Vice President – [markd@rahnplastics.com](mailto:markd@rahnplastics.com)  
David Coutts – Senior Manager - [davec@rahnplastics.com](mailto:davec@rahnplastics.com)  
Christine Latour – Office Manager - [christinel@rahnplastics.com](mailto:christinel@rahnplastics.com)  
Betty Loxton – Customer Service Rep. - [bettyl@rahnplastics.com](mailto:bettyl@rahnplastics.com)  
Wayne Taylor – Quality Assurance Manager [waynet@rahnplastics.com](mailto:waynet@rahnplastics.com)

## **Company Information**

Established in the late 1950's under the trade name of Rahn Metals and Plastics Ltd., this company was one of the first manufacturers in the Canadian Plastics Industry. It has survived many changes of ownership and recessions while still maintaining its reputation as an excellent small company.

### **Commitment**

Incorporated in 1989 Rahn Plastics Inc. manufactures a high quality product, markets it at a fair, competitive price, then provides continuous after-sales service.

The principles guiding Rahn Plastics Inc. in their business endeavors include integrity, performance, competitiveness, innovation and goodwill.

Their employees have many years of valuable hands-on experience in the fittings industry and they use this experience to constantly work to improve the existing products, while searching for new products for future expansion.

Rahn Plastics Inc. holds its customers in high regard and is proud of the close relationships it has established with them. Their support, suggestions and input are always welcomed and appreciated.

### **Quality Products**

With more than 40 years of experience in the plastics Industry, Rahn Plastics is a leader in the manufacturing of polyethylene fittings for many different applications. In order to achieve our commitment to quality, we constantly monitor the manufacturing process from the receiving of the raw material until the finished products are shipped to our valued customers.

### **Quality People**

Rahn Plastics is a unique company. We pride ourselves on our most valuable resource – our people.

Our quality assurance technicians continually monitor our products as they are manufactured for compliance with relevant standards. These standards include those published by the Canadian Standards Association (CSA), the American Society for Testing and Materials (ASTM), and ISO 9001-2000.

At Rahn Plastics, we are proud of our people, their commitment to excellence, and dedication to supplying the best quality products at the most competitive prices.

## **General Terms & Conditions of Sale**

Prices, terms and conditions of sale are all subject to change without notice and, except as otherwise noted, all orders will be accepted for delivery at prices and according to the freight plan prevailing on the date of shipment.

### **Fusion Tools and Equipment**

Prior to shipment, and upon return, all tools and equipment are factory tested to ensure satisfactory operation. Should any tools or equipment, upon return, require re-conditioning or cleaning, the customer shall be invoiced accordingly.

### **Taxes**

Extra if applicable.

### **FOB Point**

North Bay, Ontario, Canada.

### **Returns**

We reserve the right to refuse to accept any materials returned without our express authority. Authorized returns for credit will be subject to a 25% re-stocking charge with a MINIMUM charge of \$25.00 on each return shipment. Materials must be returned FREIGHT PREPAID. Special fabrications and other non-stock merchandise are NOT RETURNABLE.

### **Guarantee**

Subject to proper installation and storage, our products are guaranteed to be free from defects in material and workmanship. Our liability is limited to the replacement of, or credit for, materials acknowledged by Rahn Plastics to be defective if brought to our attention in a timely manner. Although we will offer recommendations, on the use of our fittings, purchasers shall make their own tests to determine the suitability of our products for their own particular application. Our liability under the above guarantee is limited to the supply of a sufficient quality of fittings or credit to equal that, which is acknowledged to be defective.

### **Shipping Policy**

In-stock fittings will normally be shipped the same day, depending on carrier availability.

## Nominal Physical Properties/Resin

Rahn Plastics Inc. manufactures its polyethylene fittings from a high density, copolymer resin, which provides an excellent combination of toughness, strength, and environmental stress crack resistance for pressure and non-pressure applications.

### PE 2406/2306 Polyethylene Resin

Property	ASTM Test	Nominal Values
Density, gms/cc	D1505	.939
Melt Index, gms/10 min.	D1238	.20
Tensile Yield Strength, 2"/min, psi	D638M Type IV Spec.	2800
Ultimate Elongation, 2"/min, %	D638M Type IV Spec.	> 500
Brittleness Temperature, °F	D746	< -130
Flexural Modulus, psi	D790	110,000
Cell Classification	D3350	234363C or E
Environmental Stress Crack Resistance, F50, Hrs.	D1693 A, B & C	>5000

### PE 3408 Polyethylene Resin

Property	ASTM Test	Nominal Values
Density, gms/cc	D1505	.944
Melt Index, gms/10 min.	D1238 (HLM)	8.75
Tensile Yield Strength, 2"/min, psi	D638M Type IV Spec.	3300
Ultimate Elongation, 2"/min, %	D638M Type IV Spec.	> 800
Vicat Softening Temperature, °F	D1525	259°
Brittleness Temperature, °F	D746	< -180
Flexural Modulus, psi	D790	120,000
Cell Classification	D3350	345464A
Environmental Stress Crack Resistance, F50, Hrs.	D1693	> 5000

## Reference Publications/Standards

Rahn Plastics Inc. manufactures PE2406/PE3408 Fittings to the latest applicable standards including ISO, CSA, and ASTM.

ISO9002	Registered to ISO 9002-1994 requirements
CSA B137.4-99	Polyethylene piping systems for gas services
CSA B137.0-99	Definitions, general requirements and methods of testing for thermoplastic pressure piping
ASTM D2122-98	Determining dimensions of thermoplastic gas pipe and fittings
ASTM D2513-O/A	Specification for thermoplastic gas pressure pipe, tubing and fittings
ASTM D2683-98	Specification for socket-type polyethylene fittings for outside diameter controlled polyethylene pipe and tubing
ASTM D3261-97	Specification for butt heat fusion polyethylene PE plastic pipe and fittings for polyethylene PE plastic pipe and tubing
ASTM D638M	Tensile properties of plastics
ASTM D1238	Test for flow rates of thermoplastics by extrusion plastometer
ASTM D1248	Polyethylene plastic moulding and extrusion materials
ASTM D1505	Density of plastics by the density-gradient technique
ASTM D1598	Time-to-failure of plastic pipe under constant internal pressure
ASTM D1599	Short time hydraulic failure pressure of plastic pipe, tubing and fittings
ASTM D3350-01	Polyethylene plastic pipe and fitting materials

## Dimensions for Molded Fittings

Fittings are injection molded from high quality polyethylene resins and meet the applicable requirements of ASTM D2513-O/A. In addition, Butt Fusion fittings meet the requirements of ASTM D3261-97 while Socket Fusion fittings conform to ASTM D2683-98.