

World Class Company Certified by:





CONDUCTING OUR
CLIENTS NEEDS



TKP Inc. is the international commercial Technical and Marketing division of Fluidos Industriales Mexicanos – FIMEX.

FIMEX - TKP is an ISO 9001-2015 QMS certified manufacture with corporate offices and manufacturing facility in Monterrey, Mexico. FIMEX has been in the Plastics and Geomembrane industries for over 25 years serving the Mexican and US markets.

Our Polyethylene Pipe facility is equipped with some of the most modern and up to date extrusion lines in North America with multi-layer and striping capabilities to meet various industry's needs. Our fabricated fittings facility utilizes some of the world's highest precision fabrication equipment for miter and saddle fusion to supply standard fittings and custom fusion of manifolds.

TKP's Engineering and Technical staff has over 100 years of experience in the thermal plastics industries serving North America.

TKP is committed to continued development of new products to solve industry needs such at the new TKP-TR temperature resistant pipe for various applications and the TKP-AR abrasion resistant pipe to help in those difficult applications to extent the life of the pipe and reduce cost of shut downs.



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
ISO 9001

QUALITY CERTIFICATIONS

TKP Inc. commitment is to approach our clients to know your needs and satisfy them with products that comply with the requirements of functionality and quality, seeking to improve continually our performance, achieving the growth of our organization.

We offer our PE-4710 pipe, included in the **TR4 of the PPI (Plastic Pipe Institute)**, supported by our excellent allies and suppliers of the best resins available on the market. TKP piping and fittings meet applicable standards for operation in the United States.

Our Quality system is certified according with the ISO-9001-2015 standard.

The pipe is manufactured according to the general use standards for different applications:

We are using a resin that complies with ASTM D3350, Cell: PE445574C

We manufacture pipe under these standards:

- ASTM F714
- ASTM D 3035
- ASTM F 2619
- AWWA C 906
- NSF 14/61
- FM CLASS 1613



NSF International
789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Fluidos Industriales Mexicanos S.A. de C.V.
Facility: Nuevo León, México

AS COMPLYING WITH NSF/ANSI CAN 14, 61 AND ALL APPLICABLE REQUIREMENTS,
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTINGS ARE
AUTHORIZED TO BEAR THE NSF MARK.

David Peltier
Vice President, Global Water Division

Mar 19, 2022
Certificate CC04006 - 02

CERTIFICATION OF COMPLIANCE
NSF / ANSI / CAN 14, 61

Certificate of Compliance
This certificate is issued for the following:

Polyethylene (PE) Pipe and Fittings for Underground Fire Protection Service

Model No.	Product Description	Nominal Pipe Size, in.	Rated Working Pressure
9208	Pipe	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	250 (4000)
9209	Pipe	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	250 (4000)

Prepared for:
Fluidos Industriales Mexicanos S.A. de C.V.
443 Ave. Tecnológico, Monterrey Technology Park
Ciudad de Flores, NL 65150
Mexico

Approval Standard: FM 1613 (February 2017)
Approval Identification: PBA47791 Approval Granted: March 14, 2022

To verify the availability of the Approved product, please refer to www.approvalguide.com.

First, Approval is subject to satisfactory field performance, continuing surveillance testing, and strict conformity to the construction or details in the Approval Guide, as online resource of FM Approvals.

David B. Fuller
David B. Fuller
VP, Manager - Fire Protection
FM Approvals
1131 Boston Post Road
Norwood, MA 02062

CERTIFICATION OF COMPLIANCE
FM CLASS 1613

LABORATORY

In addition, our manufacturing plant in Monterrey Mexico, has a laboratory equipped to verify the qualities of our products:

- **Density**
- **Flow index**
- **Tensile strength**
- **Content of Carbon Black**
- **Hydrostatic pressure resistance**

Our Quality Assurance System is ISO-9001: 2015 Certified.

Offering our clients the search for their satisfaction, the selection of raw materials, equipment, manufacturing methods and qualified personnel to carry out processes focused on continuous improvement and complete traceability of our products.



DIMENSIONAL INSPECTION



TENSION TEST



ITP REPORTS



HYDRAULIC FACILITY FOR PRESSURE TEST



CARBON BLACK TEST

RAW MATERIAL

TKP pipe is made from the most advanced and recognized materials of our industry.

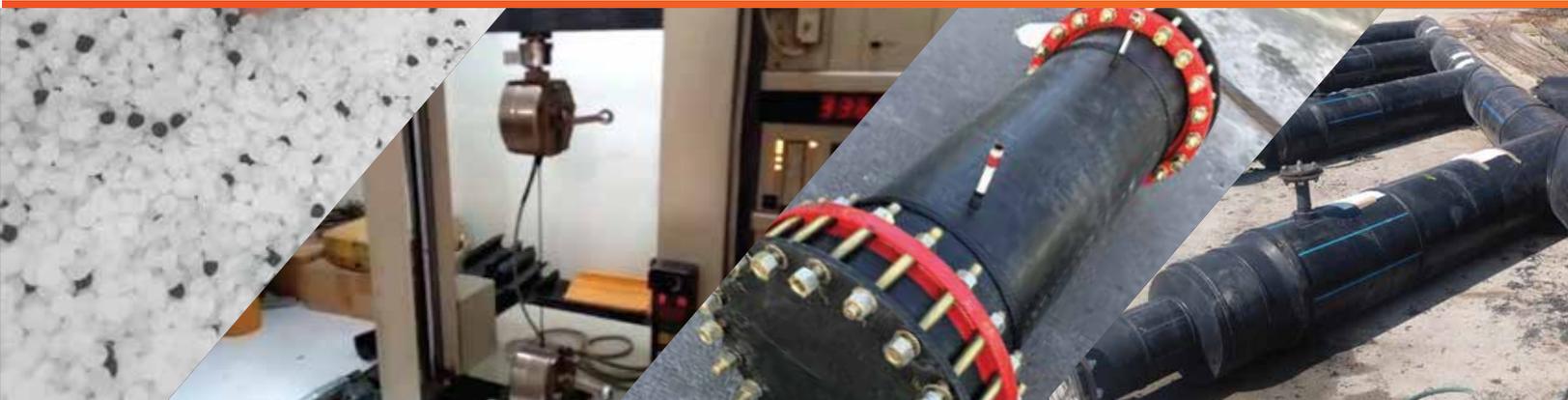
All resins are rated **PE-4710** and / or **PE-100** endorsed by the Plastic Pipes Institute (PPI) and included in its Technical Report 4 (TR4).

In addition to its main qualities, it is given a classification cell: 445574 according to ASTM D3350, with an HDB of 1600 psi @ 73 ° F and 1000 psi @ 140 ° F and has an NSF 14/61 certification for the use in potable water systems, with CC 2 or CC3 code of resistance of chlorine for sanitization.

Each batch is subject to receipt tests that verify the stipulated quality and are duly endorsed by a Quality Certificate of Origin from our suppliers, completing the traceability of the TKP pipeline to its raw materials.

The data sheet information of the resin is available to our customers under request.

TKP TECNIPRE & SUPPLIES		RAW MATERIAL'S SPECIFICATIONS HIGH DENSITY POLYETHYLENE EPE-05	ME-MP DATE: 190831 Revision: 0 page: 1/1
PRODUCTO: HIGH DENSITY POLYTETHYLENE, PE-4710			
USE: PRODUCTION OF HDPE PIPE FOR CONVEY FLUIDS UNDER PRESSURE			
APPEARANCE: PELLETS		PACKAGE: BULK, BOXES, SACKS	
SPECIFICATIONS			
	MINIMUM	MAXIMUM	
DENSITY, GR/CC	0.941	0.955	
DENSITY PIGMENTED GR/CC (*)	0.950	0.965	
MELT INDEX (GR/10 Min) :			
190°C / 2.160 KGS.	0.05	0.40	
190°C / 21.600 KGS	4.00	-----	
190°C / 5.000 KGS	0.25	0.45	
TENSILE STRENGTH, YIELD (PSI)	3,000		
TENSILE STRENGTH, BREAK (PSI)	3,500	-----	
% OF ELONGATION AT BREAK	500	1,000	
ELASTICITY MODULE, PSI	30,000		
CARBON BLACK CONTENT (%) (*)	2.0	3.0	
E.S.C.R. @ 100°C, 600 HRS. (%)	-----	20	
CLASSIFICATION CELL, ASTM D3350: PE445574 A 6 PE445574 C			
(*) ONLY APPLIES TO BLACK MATERIALS			
NOTE FOR THE USA MARKET: THE MATERIAL MUST BE LISTED IN THE PPI'S TECHNICAL REPORT #4 (TR4) THE SECS IN YELLOW CAN BE INCLUDED IN THE TECHNICAL SHEET AND WILL ONLY BE TESTED IN SPECIAL OCCASIONS			
ALL THE SUPPLIERS MUST SEND THE CERTIFICATE OF ANALYSIS (CoA) EVERY LOT SHIPPED TO FIMEX.-TKP			
Revisó		Autorizo	
Ing. Alfredo Maycotte Control de Calidad		Ing. Miguel Gutierrez Garcia Aseguramiento de Calidad	



FABRICATION AND EXTRUSION CAPACITY

TKP Inc. as the commercial division of Fluidos Industriales Mexicanos, FIMEX, proudly presents the TKP line of smooth-walled pipes for pressure fluids conveyance:

TKP in IPS, DIPS and metric (ISO) system.

And our lines of special pipes:

- **TKP-REFLEX**
- **TKP-TR**
- **TKP-AR**
- **TKP-Double Containment Piping Systems**
- **TKP-FIT, our complete line of fabricated fittings**

Available in **IPS pipe from 3"- 48" Ø** and in DR's from 7 to 41, (DR 5 and heavy wall pipes for fabrication of fittings also available).

TKP's also manufactures **fabricated fittings from 3" to 48"Ø:**

- **Tees**
- **22.5°, 45° 90° elbows in long or short radius**
- **Reduced tees**
- **45° and 60° wyes**
- **Concentric Reductions**
- **Flange adapters and iron backing rings**

These are some of the fittings that are offered to our clients, all of which are NSF 14/61 certified and with a complete traceability based on our certified ISO-9001: 2015 quality system.

TKP IPS pipe is NSF 14 / 61 certified for potable water use and FM approved for fire protection underground mains.

TKP fittings are made as ASTM F2206 and NSF 14/61 certified.



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APPLICATIONS

TKP pipe has a wide range of applications - for water and water-based fluid conveyance in different markets:

Municipalities:

- Drinking water
- Recycled water
- Treated water
- Reclaimed water
- Sewer

Oil & Gas:

- Pressurized water
- Brine for the oil industry
- Dry gas
- Natural gas

Mining:

- Fluids with solids in suspension
- Sludge in the mining industry
- Pressurized water

Industrial Applications:

- Conveying chemical solutions or substances
- Cooling Water
- Conduit
- Fire protection underground mains.

TKP can offer pipe with coextruded stripes or coextruded external layer according to applicable color codes or under customer requirements.

For special applications, we offer our special pipeline, such as:

- **TKP-TR: Fluids at high temperatures (140-180 ° F).**
- **TKP-AR: Abrasion Resistant.**
- **TKP-REFLEX: Exposed to sunlight.**
- **TKP-Double Containment Piping Systems: Pipe system for leakage protection.**

See our catalog of each product for further information.



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ISO 9001



Contact us,
we will be ready to help you

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