



FICHA TÉCNICA

Date:	February 2020
Product:	PVC HIDRAULICO RD-21 PIPE
USES:	The Futura Industrial P.V.C. RD-21 pipe is manufacture using a PVC compound that meets the classification of cells 12454 as defined in NMX-E-031-SCFI standard. The Futura Industrial PVC. pipe is hydrostatically tested to ensure its resistance to working pressure. The pipe joint is make direct with the interconnection of spigot-integrated bell of the pipes, using PVC cement to solvent weld the joint. This pipe is specially designed for the transport of potable water under pressure, determining periodically the content of substances such as lead, cadmium, tin, barium, mercury, antimony, chromium and arsenic; this is based on the NMX-E-028 standard; in which its application to transport water for human consumption is guaranteed. This pipe is fully compliant with the specification standard NMX-E-145-1-SCFI plastics industry – pipes poly (vinyl chloride) (PVC) without plasticizer for water supply under pressure - English series – specifications.

Parameter	Test Method	19 mm (3/4")	25 mm (1")	50 mm (2")
Outside Diameter	NMX-E-021	26.80 mm	33.50 mm	60.50 mm
		26.60 mm	33.30 mm	60.10 mm
Minimum Wall Thickness	NMX-E-021	1.50 mm	1.60 mm	2.90 mm
		2.00 mm	2.10 mm	3.40 mm
Maximum Ovality	NMX-E-021	0.50 mm	0.50 mm	0.80 mm
Length of the Pipe	NMX-E-021	5970 mm	5970 mm	5970 mm
		6030 mm	6030 mm	6030 mm
Socket Entrance Diameter	NMX-E-021	27.10 mm	33.90 mm	60.90 mm
		26.90 mm	33.60 mm	60.60 mm
Socket Bottom Diameter	NMX-E-021	26.80 mm	33.70 mm	60.60 mm
		26.50 mm	33.10 mm	60.00 mm
Socket Length	NMX-E-021	32 mm	38 mm	57 mm
Maximum Working Pressure	NMX-E-016	13.7 Kg/cm ²	13.7 Kg/cm ²	13.7 Kg/cm ²
Sustained Pressure by shortly time.	NMX-E-016	43 Kg/cm ²	43 Kg/cm ²	43 Kg/cm ²
Sustained Pressure by 1000 hrs.	NMX-E-013	29 Kg/cm ²	29 Kg/cm ²	29 Kg/cm ²
Impact resistance	NMX-E-029	2.0 Kg-m	3.0 Kg-m	4.0 Kg-m

Minimum Crushing	NMX-E-014	60%	60%	60%
Methylene Chloride	NMX-E-131	15% maximum in chamfer	15% maximum in chamfer	15% maximum in chamfer
Thermal Reversal	NMX-E-179	7% Maximum	7% Maximum	7% Maximum
Color	Visual	White	White	White
Finish	Visual	Uniform	Uniform	Uniform
Marking	Visual	In black color, legible and complete	In black color, legible and complete	In black color, legible and complete