

# ValueSpec

ValueSpec is an advocacy of NELTEX to encourage Designers, Developers & Stakeholders to place Value in their Specifications. The notion is: "To get the right Quality, everyone must place Value on Specification Writing."

## NELTEX PPR Specifications

<b>Neltex PPR Pipe</b>	Pipe to Conform to ISO 15874
<b>Composition</b>	Polypropylene random copolymers resins
<b>Jointings</b>	Socket Type: using the Neltex Fusion Machine that homogeneously bonded.
<b>Toxicity</b>	Pipes to be Heavy Metal Free (HMF) as validated through Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) method.
<b>Markings</b>	Pipes to be marked using Continuous Ink Jet (CIJ) Printing Method with traceability codes

PPR PIPE PN10	
NOMINAL SIZE	Min. PIPE THICKNESS
20mm	1.9mm
25mm	2.3mm
32mm	2.9mm
40mm	3.7mm
50mm	4.6mm
63mm	5.8mm
75mm	6.8mm
90mm	8.2mm
110mm	10.0mm

PPR PIPE PN20	
NOMINAL SIZE	Min. PIPE THICKNESS
20mm	3.4mm
25mm	4.2mm
32mm	5.4mm
40mm	6.7mm
50mm	8.3mm
63mm	10.5mm
75mm	12.5mm
90mm	15.0mm
110mm	18.3mm



**NELTEX** is the largest Plastic Pipe manufacturer in the Philippines with over 30,000MT production capacity of HMF PVC Pipes & Fittings. We introduced Plastic Piping to the country in 1957 & we are Proud2B both market & innovation leader to date.



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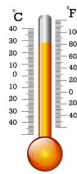
[www.neltex.com](http://www.neltex.com)  
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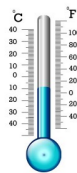
As we all know, broken pipes can extremely cause delay in operations and cost/profit reduction.

## TESTED to last up to 50 years

HYDROSTATIC PRESSURE TEST – The test is used to examine a polymer creep behaviour and is the basis on which the pressure rating, required dimensions or anticipated service life of pipes (over 50 years) can be determined.



Hot Bath Test- Tested at 1000 hrs. for 95°C at 213 psi conforming to the ISO 15874

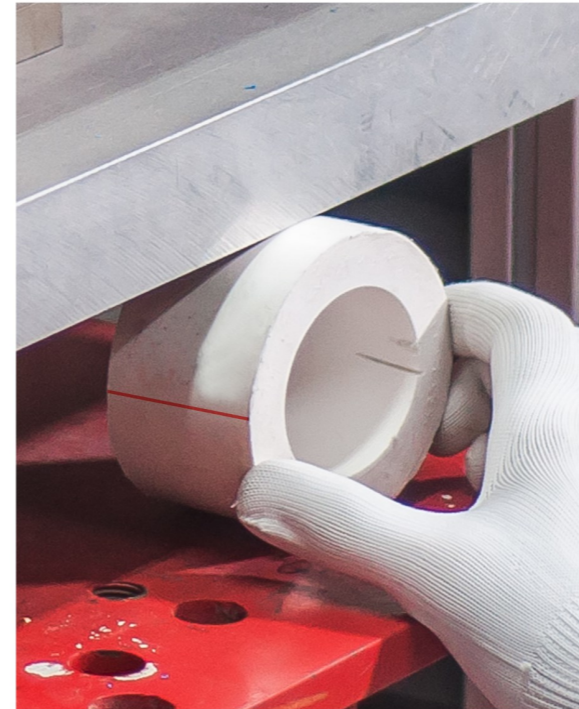


Cold Bath Test- Tested at 1 hr. for 20°C at 977 psi conforming to the ISO 15874



## TESTED TOUGHNESS

NELTEX PPR undergo Flattening and Impact tests under ISO 15874 standard to ensure that there will be no external breakage in a given pressure.



Flattening Test



Impact Test

## TESTED for NON-TOXICITY

NELTEX PPR is the only PPR brand in the Philippines that underwent and passed the toxicity test (Mercury, Lead & Cadmium) using ICP-OES Method.

Neltex PP-R Pipe  
PN - 20

	Extract 1	Extract 2	Extract 3	Detection Limit	Method/Technique
Cd, mg/L <sup>b</sup>	not detected	not detected	not detected	<0.002	ICP - OES
Pb, mg/L <sup>a</sup>	not detected	not detected	not detected	<0.005	ICP - OES
Hg, mg/L <sup>b</sup>	not detected	not detected	not detected	<0.0001	Cold Vapor - AAS

\*\*\*\* NOTHING FOLLOWS \*\*\*\*  
The test results pertain only to the samples submitted by the customer.

