

TECHNICAL SPECIFICATION

Product : NELTEX PVC Saniline Pipes
Standard : ASTM D2729

Dimension

Nominal Size	Mean Outside Diameter (mm)	Wall Thickness (mm)	Effective Length (Meter)
63mm	57.00 - 57.30	2.540 - 2.994	3M
90mm	82.35 - 82.75	3.700 - 4.270	3M
110mm	106.84 - 107.28	3.810 - 4.391	3M

Physical and Mechanical Properties

Properties	Standard Requirement	Test Method
Impact Test (Resistance to External Blows)	True impact rate shall not exceed 10%	ISO 3127
Flattening Test	No evidence of splitting cracking or Breaking when flattened to 40% of the outside diameter	ASTM D2241
Resistance to Acetone	No sign of delamination or disintegration	ISO 3472
Vicat Softening Temperature	Shall not be less than 79 °C	PNS/ISO 2057
Heat Reversion	Shall not exceed 5%	ISO 2505
Chemical Resistance (with service temperature of PVC up to 60°C)	Generally resistant to metallic soaps (aq), alcohol (butyl), ethyl, isopropyl, methyl, propyl), alums, ammonia, gas, beer, benzoic acid, butadiene, butane, butylenes, castor oil, carbon dioxide, caustic soda, citric acid, coconut oil, crude oil, mineral oil, diesel fuels, ethylene glycol, fatty acids, formaldehyde, fruit juices and pulps, motor oil, vegetable oil, glycerine, glycols, heptane, hydrochloric acid, hydrocyanic acid, hydrogen, kerosene, lauric acid, liquors, lubricating oils, mercury, methane, milk, nicotine, oils and fats, parafin, phosphoric acid, propane, water, soaps, starch, sulfur, sugars, urea, vinegar whiskey, wines	
Tensile Strength	28 Mpa minimum	ISO 527-1

TECHNICAL SPECIFICATION

Product : NELTEX PVC Sewerline Pipes (SDR 35)
Standard : ISO 4435

Dimension

Nominal Size	Mean Outside Diameter		Wall Thickness (SDR 35)	
	Min (mm)	Max (mm)	Min (mm)	Max (mm)
160mm	160.00	160.40	4.60	5.26
200mm	200.00	200.50	5.70	6.47
250mm	250.00	250.50	7.10	8.01
315mm	315.00	315.60	9.00	10.10
400mm	400.00	400.70	11.40	12.74

Physical and Mechanical Properties

Properties	Standard Requirement	Test Method
Impact Test (Resistance to External Blows)	True impact rate shall not exceed 10%	PNS/ISO 3127
Flattening Test	No evidence of splitting cracking or Breaking when flattened to 40% of the outside diameter	PNS/ASTM D2241
Resistance to Acetone	No sign of delamination or disintegration	PNS/ISO 3472
Vicat Softening Temperature	Shall not be less than 79 °C	PNS/ISO 2057
Heat Reversion	Shall not exceed 5%	PNS/ ISO 2505-1
Chemical Resistance	Generally resistant to metallic soaps (aq), alcohol (butyl), ethyl, isopropyl, methyl, propyl), alums, ammonia, gas, beer, benzoic acid, butadiene, butane, butylenes, castor oil, carbon dioxide, caustic soda, citric acid, coconut oil, crude oil, mineral oil, diesel fuels, ethylene glycol, fatty acids, formaldehyde, fruit juices and pulps, motor oil, vegetable oil, glycerine, glycols, heptane, hydrochloric acid, hydrocyanic acid, hydrogen, kerosene, lauric acid, liquors, lubricating oils, mercury, methane, milk, nicotine, oils and fats, parafin, phosphoric acid, propane, water, soaps, starch, sulfur, sugars, urea, vinegar whiskey, wines	

NELTEX

DEVELOPMENT CO., INC.

TECHNICAL SPECIFICATION

Product: Neltex PVC Sanitary Pipes
Standard: ASTM D2729

Dimension

Nominal Outside Diameter	Mean Outside Diameter (mm)	Wall Thickness (mm)	Effective Length (Meter)
63mm	57.00 – 57.30	2.540 – 2.994	3M
90mm	82.35 – 82.75	3.700 – 4.270	3M
110mm	106.84 – 107.28	3.810 – 4.391	3M

Physical & Mechanical Properties

Properties	Standard Requirement	Test Method
Heat Reversion	Shall not exceed 5%	ISO 2505
Resistance to Acetone	No sign of delamination or disintegration	ISO 3472
Resistance to External Blows	True impact rate shall not exceed 10%	ISO 3127
Flattening	No evidence of splitting, cracking or breaking when flattened to 40% of the outside diameter	ASTM D2241
Tensile Strength	28 MPa minimum	ISO 527-1
Pipe Stiffness	Shall conform to the requirements of ASTM D2729	ASTM D2412
Chemical Resistance (With service temperature of PVC up to 60 °C)	Generally resistant to metallic soaps(aq), alcohol(butyl, ethyl, isopropyl, methyl, propyl), alums, ammonia gas, beer, benzoic acid, adipic acid, borax, boric acid, bromic acid, butadiene, butane, butylenes, castor oil, carbon dioxide, caustic soda, citric acid, coconut oil, crude oil, mineral oil, diesel fuels, ethylene glycol, fatty acids, formaldehyde, fruit juices and pulps, motor oil, vegetable oil, glycerine, glycols, heptane, hydrochloric acid, hydrocyanic acid, hydrogen, kerosene, lauric acid, liquors, lubricating oils, mercury, methane, milk, nicotine, oils and fats, paraffin, phosphoric acid, propane, water, soaps, starch, sulfur, sugars(aq), urea, vinegar, whiskey, wines	

Prepared by:

M. R. Mercado
 QA Officer

26/F Washington Tower, Asia World
 Parañaque City, 1703 Philippines
 Tel. No.: 879-7777 Fax No.: 879-3777
 Website : <http://www.neltex.com>
 E-mail : info@neltex.com

