

## CERTIFICATE

This is to certify that **NELTEX Development Co., Inc.** is producing **Neltex Powerguard 8055High Impact uPVC Electrical Conduit Thick Wall** with sizes 20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 75mm, 90mm, 110mm with effective length of 3 meters.

**Neltex Powerguard 8055High Impact uPVC Electrical Conduit Thick Wall** are inspected and tested in conformance to PNS 14: 1983 Standard Specification for Unplasticized PolyVinyl Chloride (uPVC) – Electrical Conduit.

This certification is being issued for whatever legal purposes it may serve.

**Neltex Development Company Incorporated**



Reynaldo C. Degollado  
QA Manager

### TECHNICAL SPECIFICATION

<b>PRODUCT</b>	Neltex Powerguard 8055 High Impact uPVC Electrical Conduit Thick Wall
<b>REFERENCE STANDARD</b>	PNS 14: 1983 Standard Specification for Unplasticized PolyVinyl Chloride (uPVC) – Electrical Conduit.

#### A. DIMENSIONS

Nominal Pipe Size (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Effective Length (meters)
20	20.00 ~ 20.20	2.200 ~ 2.620	3
25	25.00 ~ 25.20	2.300 ~ 2.730	3
32	32.00 ~ 32.20	2.400 ~ 2.840	3
40	40.00 ~ 40.20	2.400 ~ 2.840	3
50	50.00 ~ 50.20	2.400 ~ 2.870	3
63	63.00 ~ 63.20	2.500 ~ 2.980	3
75	75.00 ~ 75.30	2.900 ~ 3.390	3
90	90.00 ~ 90.30	3.500 ~ 4.020	3
110	110.00 ~ 110.40	4.200 ~ 4.820	3

#### B. PHYSICAL PROPERTIES

Property	Standard Requirement	Test Method
Vicat Softening Temperature	Minimum 76°C	ISO 2507 Unplasticized Polyvinyl Chloride (PVC) pipes and fittings – Vicat Softening Temperature
Heat Reversion	5% maximum after 1 hour at 150°C	PNS 14: 1983 Standard Specification for Unplasticized PolyVinyl Chloride (uPVC) – Electrical Conduit.
Water Absorption	Maximum 40 g/m <sup>2</sup>	ISO 2508 Unplasticized Polyvinyl Chloride (PVC) pipes and fittings – Water Absorption – Determination

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## DEVELOPMENT CO., INC.

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Property	Standard Requirement	Test Method
Resistance to Acetone	No sign of delamination or disintegration after 2 hours of immersion	ISO 3472 Unplasticized Polyvinyl Chloride (PVC) Pipes – Specification and Determination of Resistance to Acetone
Tensile Strength	Minimum 27.5 MPa	PNS 14: 1983 Standard Specification for Unplasticized PolyVinyl Chloride (uPVC) – Electrical Conduit.
Elongation at break	Minimum 15%	PNS 14: 1983 Standard Specification for Unplasticized PolyVinyl Chloride (uPVC) – Electrical Conduit.
Resistance to Burning	Flame should extinguish itself in less than 30 seconds after the removal of flame	PNS 14: 1983 Standard Specification for Unplasticized PolyVinyl Chloride (uPVC) – Electrical Conduit.
Resistance to External Blows (Impact Test)	True Impact Rate (TIR) shall not exceed 10% where TIR = total number of breaks / total number of blows	ISO 3127 Thermoplastic Pipes – Determination of Resistance to External Blows – Round the clock method
Flattening	No evidence of splitting, cracking or breaking when flattened to 40% of the outside diameter.	ASTM D2241 Standard Specification for Polyvinyl Chloride (PVC) Pressure Rated Pipe (SDR Series)
IZOD Impact test	Minimum 34.7 J/m	ASTM D256 Standard Test Method for Determining the IZOD Pendulum Impact Resistance of Plastics

  
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