

Nylene® BX3WQ662

Polymeric Resources Corporation (PRC) - Polyamide 6

General Information

Product Description

- Nylene BX3WQ662 is a medium viscosity, heat stabilized, nylon 6 universal wire jacketing resin offering excellent performance through the range of THHN, THWN, and TFFN constructions.
- This product possesses higher extractables for a balance of performance properties.
- Shields PVC from impact which causes cracking and breaking and general deterioration of the product. Improves the temperature rating of the wire, has good cut through resistance, and high resistance to abrasion.
- Dried to less than 0.15% moisture, with packaging options of 1,800 lb. gaylord boxes or 55 lb. foil-lined, vacuum sealed bags.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Lubricant
Features	• Abrasion Resistant • Good Toughness • Medium Viscosity • Fuel Resistant • Heat Stabilized • Oil Resistant • Good Impact Resistance • Lubricated
Uses	• Wire & Cable Applications • Wire Jacketing
Agency Ratings	• UL 83
Appearance	• Natural Color
Processing Method	• Extrusion • Wire & Cable Extrusion

Properties ¹

Physical	Nominal Value	Unit
Relative Viscosity		
-- ²	2.55 to 2.75	
-- ³	43.0 to 51.6	
Moisture Content	0.12	%
Additional Information	Nominal Value	Unit
Copper Content	35	ppm
Methanol Extractables	3.0 to 5.0	%

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	140 to 160	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.15	%
Cylinder Zone 1 Temp.	441 to 475	°F
Cylinder Zone 2 Temp.	441 to 475	°F
Cylinder Zone 3 Temp.	441 to 475	°F
Cylinder Zone 4 Temp.	441 to 475	°F
Cylinder Zone 5 Temp.	495 to 540	°F
Die Temperature	495 to 540	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² 96% Sulphuric Acid @ 20°C

³ 90% Formic Acid @ 25°C

