

## Nylene® BX3RF

Polymeric Resources Corporation (PRC) - Polyamide 6

### General Information

#### Product Description

- Nylene BX3RF is a medium viscosity, heat stabilized, nylon 6 wire jacketing resin qualified for QMTM2 plenum applications as well as UV 720hr weatherometer.
- Offering excellent performance through the range of THHN, THWN, and TFFN constructions.
- 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		
Features	• Abrasion Resistant	• Good Toughness	• Oil Resistant
	• Fuel Resistant	• Heat Stabilized	
	• Good Impact Resistance	• Medium Viscosity	
Uses	• Automotive Applications	• Trays	• Wire & Cable Applications
Appearance	• Natural Color		
Processing Method	• Extrusion		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit
Moisture Content	0.15	%
Relative Viscosity		
90% Formic Acid : 77°F	43.0 to 51.6	
96% Sulphuric Acid : 68°F	2.55 to 2.75	
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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

