

## Sibur NGP 40-32 Polyvinyl Chloride (PVC)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Molded

**Material Notes:**

Shall correspond to control sample, approved in accordance with the established procedure. Pores, which can be seen by eyes, are not allowed. Plastic shall not burn at stop of worm extruder for a period of 20 minutes. For application of protective sheaths for wires and cables operating in a range of temperatures from -40°C to 70°C under conditions of high fire hazard and corresponding to the requirements of standard MEK 332, part 3 on non-propagation of burning. These products inhibit flame propagation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sibur-NGP-40-32-Polyvinyl-Chloride-PVC.php](http://www.lookpolymers.com/polymer_Sibur-NGP-40-32-Polyvinyl-Chloride-PVC.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	
Water Absorption	<= 0.25 %	<= 0.25 %	
Collected Volatile Condensable Material	<= 2.0 %	<= 2.0 %	Loss in mass at 160°C during 6 hours

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 14.0 MPa	>= 2030 psi	
Elongation at Break	>= 280 %	>= 280 %	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -40.0 °C	<= -40.0 °F	
Flammability Test	<= 32	<= 32	In seconds, method A

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 3.00e+11 ohm-cm @Temperature 20.0 °C	>= 3.00e+11 ohm-cm @Temperature 68.0 °F	

Descriptive Properties	Value	Comments
Color	Non-colored, black, white	
Elongation Retained After Ageing	85%	Aged for 7 days at 100±2°C

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