

## Sibur O-55 Compound 1182 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 no burn at stop of worm extruder for a period of 20 minutes. Used as a protective sheath for wires and cables operating in interval of temperatures for -55°C to 70°C. Peculiarity of plastic is its good frost resistance.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sibur-O-55-Compound-1182-Polyvinyl-Chloride-PVC.php](http://www.lookpolymers.com/polymer_Sibur-O-55-Compound-1182-Polyvinyl-Chloride-PVC.php)

Physical Properties	Metric	English	Comments
Density	1.18 - 1.25 g/cc	0.0426 - 0.0452 lb/in <sup>3</sup>	
Water Absorption	<= 0.30 %	<= 0.30 %	
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	>= 11.7 MPa	>= 1700 psi	
Elongation at Break	>= 350 %	>= 350 %	

Thermal Properties	Metric	English	Comments
Softening Point	160 - 180 °C	320 - 356 °F	
Brittleness Temperature	<= -55.0 °C	<= -67.0 °F	
Flammability Test	<= 15	<= 15	In seconds, method A

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+11 ohm-cm @Temperature 20.0 °C	>= 1.00e+11 ohm-cm @Temperature 68.0 °F	

Descriptive Properties	Value	Comments
Color	Non-colored, black, white	
Elongation Retained After Ageing	80%	Aged for 7 days at 100±2°C
Number of Inclusions	<24 psc	With dimensions up to 0.5 mm

**Contact Songhan Plastic Technology Co.,Ltd.**

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