

## Karina Karintox 70/2 Polyolefin Compound

Category : Polymer , Thermoplastic , Polyolefin , Polyolefin, Wire/Cable Grade

### Material Notes:

Halogen free, fire retardant, low smoke and fume polyolefinic compound. Recommended for insulation of electrical cables up to 1KV. Information provided by Karina Indústria e Comércio de Plásticos Ltda.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Karina-Karintox-702-Polyolefin-Compound.php](http://www.lookpolymers.com/polymer_Karina-Karintox-702-Polyolefin-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 - 1.52 g/cc	1.46 - 1.52 g/cc	ASTM D 792
Moisture Absorption	<= 0.0600 %	<= 0.0600 %	ME-52
Deformation	39 % @Temperature 80.0 Â°C	39 % @Temperature 176 Â°F	Hot Deformation; NBR 6239
ASTM Color	-0.980 - 2.02	-0.980 - 2.02	Color A, ME 12
	5.36 - 8.36	5.36 - 8.36	Color B, ME 12
	87.29 - 90.29	87.29 - 90.29	Color L, ME 12

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93 - 97 @Time 15.0 sec	93 - 97 @Time 0.00417 hour	ASTM D 2240
Tensile Strength	>= 10.0 MPa	>= 1450 psi	After 168 H in Air Oven at 80Â°C; NBR NM-IEC 60811-1-2
	>= 12.6 MPa	>= 1820 psi	NBR NM-IEC 60811-1-1
Elongation at Break	>= 120 %	>= 120 %	After 168H in Air Oven at 80Â°C; NBR NM-IEC 60811-1-2
	>= 140 %	>= 140 %	NBR NM-IEC 60811-1-1

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -35.0 Â°C	<= -31.0 Â°F	ASTM D 746
Flammability Test	75	75	% Transmittance - Smoke Density Test; NBR 11300
Oxygen Index	>= 36 %	>= 36 %	ASTM D 2863

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Application	70 Grades	
Cold Blend	OK	-15°C; NBR NM-IEC 60811-1-4
Corrosivity of Gases	5	Conductivity, mg/g (NBR 11633)
	5,6.00	pH (NBR 11633)
Halogen Acid Gas Evolution (mg/g)	0	NBR 10495
Maximum Variation of Elongation (%)	20	NBR NM-IEC 60811-1-2
Maximum Variation of Tensile Strength (%)	20	NBR NM-IEC 60811-1-2
Toxicity Index	0,65.00	NBR 12139

## Contact Songhan Plastic Technology Co.,Ltd.

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