

Karina Karintox 70/6 Polyolefin Compound

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

Material Notes:

Karintox is a thermoplastic polyolefin, flame retardant, non-halogen, and low smoke emission. Recommended for electrical coating for cables until 1KV. For a better usage/processing, manufacturer suggests a pre-warm/heat (2 hours in 70-80°C), mainly after being stocked for a long time. Low compression screws (1.2:1 is the ideal) and cleaving. Thermal profile from 140°C to 165°C and melting temperatures no more than 180°C. Information provided by Karina Indústria e Comércio de Plásticos Ltda.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Karina-Karintox-706-Polyolefin-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 - 1.45 g/cc	1.39 - 1.45 g/cc	ASTM D 792
Moisture Absorption	<= 0.0600 %	<= 0.0600 %	ME-52
Deformation	30 %	30 %	Hot Deformation; NBR 6239
ASTM Color	-1.28 - 1.72	-1.28 - 1.72	Color A, ME 12
	1.77 - 4.77	1.77 - 4.77	Color B, ME 12
	87.59 - 90.59	87.59 - 90.59	Color L, ME 12

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50 - 54	50 - 54	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	>= 10.0 MPa	>= 1450 psi	After 168 H in Air Oven at 100°C; NBR NM-IEC 60811-1-2
	>= 12.6 MPa	>= 1820 psi	NBR NM-IEC 60811-1-1
Elongation at Break	>= 130 %	>= 130 %	After 168H in Air Oven at 100°C; NBR NM-IEC 60811-1-2
	>= 150 %	>= 150 %	NBR NM-IEC 60811-1-1

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

Component Elements Properties	Metric	English	Comments
Cadmium, Cd	<= 0.0050 %	<= 0.0050 %	IEC 62321
Chromium, Cr	<= 0.010 %	<= 0.010 %	IEC 62321
Lead, Pb	<= 0.010 %	<= 0.010 %	IEC 62321
Mercury, Hg	<= 0.010 %	<= 0.010 %	IEC 62321

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	ASTM D 257

Descriptive Properties	Value	Comments
Application	70 Grades	
Bromine, Br (%)	< 0.01	IEC 62321
Cold Blend	OK	-15Â°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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China