

Karina Karintox ENCH./03 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, a pre-warm/heat (2 hours in 70-80°C) is suggested, 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-ENCH03-Polyolefin-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 - 1.56 g/cc	1.52 - 1.56 g/cc	ASTM D 792
Moisture Absorption	<= 0.0600 %	<= 0.0600 %	ME-53

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93 - 97 @Time 15.0 sec	93 - 97 @Time 0.00417 hour	ASTM D 2240

Thermal Properties	Metric	English	Comments
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

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