

Karina E 105440-35/1-Y-IS-SD-LM Ivory PVC Compound

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Heavy metal free PVC compound, recommended for thin wall insulation of automotive electrical wires for working at the temperature range of -40°C to 105°C. Information provided by Karina Indústria e Comércio de Plásticos Ltda.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Karina-E-105440-351-Y-IS-SD-LM-Ivory-PVC-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 - 1.37 g/cc	1.31 - 1.37 g/cc	ASTM D 792
ASTM Color	-1.09 - 1.91	-1.09 - 1.91	Color A, ME 12
	10.44 - 13.44	10.44 - 13.44	Color B, ME 12
	85.91 - 88.91	85.91 - 88.91	Color L, ME 12

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82 - 86	82 - 86	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	>= 19.6 MPa	>= 2840 psi	ASTM D 638
Elongation at Break	>= 200 %	>= 200 %	ASTM D 638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Brittleness Temperature	<= -30.0 °C	<= -22.0 °F	ASTM D 746

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 3.00e+14 ohm-cm	>= 3.00e+14 ohm-cm	ASTM D 257

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