

Karina E 890-25/1-CR-IS Natural PVC Compound

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Flame retardant and oil resistant 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-890-251-CR-IS-Natural-PVC-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 - 1.45 g/cc	1.39 - 1.45 g/cc	ASTM D 792
ASTM Color	6.76 - 9.76	6.76 - 9.76	Color A, ME 12
	86.8 - 89.8	86.8 - 89.8	Color L, ME 12

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87 - 91	87 - 91	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	>= 14.7 MPa	>= 2130 psi	ASTM D 638
Elongation at Break	>= 250 %	>= 250 %	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	
Oxygen Index	>= 26 %	>= 26 %	NBR 6245

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 3.00e+13 ohm-cm	>= 3.00e+13 ohm-cm	ASTM D 257

Descriptive Properties	Value	Comments
Application	-40 Grades/+105 Grades	

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