

Karina 900-35/1-AYR-AC-LF Ivory PVC Compound

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Flame retardant and heavy metal free PVC compound, recommended for insulation of automotive electrical cables 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-900-351-AYR-AC-LF-Ivory-PVC-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 - 1.33 g/cc	1.27 - 1.33 g/cc	ASTM D 792
ASTM Color	-1.87 - 1.13	-1.87 - 1.13	Color A, ME 12
	0.69 - 3.69	0.69 - 3.69	Color B, ME 12
	92.59 - 95.59	92.59 - 95.59	Color L, ME 12

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88 - 92	88 - 92	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 Â°C	221 Â°F	
Minimum Service Temperature, Air	-40.0 Â°C	-40.0 Â°F	
Flammability, UL94	V-0	V-0	
Oxygen Index	>= 28 %	>= 28 %	ASTM D 2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	ASTM D 257

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

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