

Denka VINYKON W3050 PVC, W grade for equipment cords, for heat resistance

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

A PVC resin compound offering excellent physical properties and workability. A broad product lineup is available, including hard and soft grades, as well as those for extrusion and injection molding, etc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Denka-VINYKON-W3050-PVC-W-grade-for-equipment-cords-for-heat-resistance.php

Physical Properties	Metric	English	Comments
Density	1.422 g/cc	0.05137 lb/in ³	JIS-Z-8807
Deformation	9.0 %	9.0 %	JIS-K-6723

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	JIS-K-6301
Tensile Strength at Break	17.658 MPa	2561.1 psi	JIS-K-6723
Elongation at Break	350 %	350 %	JIS-K-6723
100% Modulus	0.00981 GPa	1.42 ksi	JIS-A-5756

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-31.0 °C	-23.8 °F	JIS-K-6723

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+12 ohm-cm	7.00e+12 ohm-cm	JIS-K-6723
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.00e+13 ohm-cm	2.00e+13 ohm-cm	JIS-K-6723
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Descriptive Properties	Value	Comments
Heating: Retention Rate of Elongation, %	92	JIS-A-5756
Heating: Retention Rate of Tensile Strength, %	100	JIS-A-5756
Oil Resistance: Retention of Tensile Strength, %	93	JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	80	JIS-K-6723
Thermostability, min, JIS-K-6723	>240	

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