

Kazanorgsintez 102-05K Cable Composition Based on Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

Material Notes:

Production Method: Produced in the form of pellets (natural or black colored) on the bases of basic 10204-003, 15303-003, 15313-003.

Application: Designed to apply isolation, cable covers and cable shielding by extrusion method. Information Provided by Kazanorgsintez

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kazanorgsintez-102-05K-Cable-Composition-Based-on-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.9185 - 0.924 g/cc	0.03318 - 0.0334 lb/in ³	
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	
Melt Flow	0.21 - 0.39 g/10 min @Load 21.6 kg	0.21 - 0.39 g/10 min @Load 47.6 lb	Â±8%

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 9.80 MPa	>= 1420 psi	
Elongation at Break	>= 600 %	>= 600 %	
Tear Strength Test	>= 13.7	>= 13.7	MPa

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 200 Â°C @Time >=900 sec	>= 392 Â°F @Time >=0.250 hour	

Electrical Properties	Metric	English	Comments
Dielectric Constant	<= 2.3 @Frequency 1000 Hz	<= 2.3 @Frequency 1000 Hz	
Dielectric Strength	>= 40.0 kV/mm @Frequency 50.0 Hz	>= 1020 kV/in @Frequency 50.0 Hz	Sample of 1 mm thickness, Alternating current
Dissipation Factor	<= 0.00030 @Frequency 1000 Hz	<= 0.00030 @Frequency 1000 Hz	

Descriptive Properties	Value	Comments
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Amount of Impurities (pcs) Descriptive Properties	15 Value	Premium Quality Comments
	3	Superior Quality

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