

## Kazanorgsintez 271-274K Cable Composition Based on High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

### Material Notes:

Production Method: Gaseous-phase method. Application: Compositions are intended for cover insulating lapping, protective covers and cables. Information Provided by Kazanorgsintez

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kazanorgsintez-271-274K-Cable-Composition-Based-on-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Kazanorgsintez-271-274K-Cable-Composition-Based-on-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.950 - 0.955 g/cc	0.0343 - 0.0345 lb/in <sup>3</sup>	
Volatiles	<= 0.000010 %	<= 0.000010 %	Superior Class
	<= 0.000015 %	<= 0.000015 %	1st Class
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	
Melt Flow	0.30 - 0.65 g/10 min	0.30 - 0.65 g/10 min	Â±10% Superior Class, Â±15% 1st Class
	@Load 5.00 kg	@Load 11.0 lb	
Ash	<= 0.050 %	<= 0.050 %	Superior Class
	<= 0.075 %	<= 0.075 %	1st Class

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 22.6 MPa	>= 3280 psi	
Elongation at Break	>= 700 %	>= 700 %	
Tear Strength Test	>= 21.6	>= 21.6	MPa

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 Â°C	392 Â°F	
	@Time >=1200 sec	@Time >=0.333 hour	

Electrical Properties	Metric	English	Comments
Dielectric Constant	<= 2.4	<= 2.4	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	>= 35.0 kV/mm	>= 889 kV/in	Sample of 1 mm thickness, Alternating current
	@Frequency 50.0 Hz	@Frequency 50.0 Hz	

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Amount of impurities [pcs]	10	Superior Class
	20	1st Class

## Contact Songhan Plastic Technology Co.,Ltd.

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