

**Kazanorgsintez 153-15 Composition of Low Density Polyethylene, Crack-Proof**

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

**Material Notes:**

Production Method: Composition is achieved on the basis of grades 10204-003, 15303-003, 10703-020 and formulas of additives 15, 16, 17, 18, 19, 20, 21, 22, and 23. Application: Intended for production of wire and cable core insulation. Information Provided by Kazanorgsintez

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kazanorgsintez-153-15-Composition-of-Low-Density-Polyethylene-Crack-Proof.php](http://www.lookpolymers.com/polymer_Kazanorgsintez-153-15-Composition-of-Low-Density-Polyethylene-Crack-Proof.php)

Physical Properties	Metric	English	Comments
Density	0.918 - 0.924 g/cc	0.0332 - 0.0334 lb/in <sup>3</sup>	
Environmental Stress Crack Resistance	>= 200 hour	>= 200 hour	in OZ-10
Melt Flow	0.20 - 0.50 g/10 min	0.20 - 0.50 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 8.83 MPa	>= 1280 psi	
Elongation at Break	>= 500 %	>= 500 %	

Electrical Properties	Metric	English	Comments
Dielectric Constant	<= 2.4	<= 2.4	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	40.0 kV/mm	1020 kV/in	
Dissipation Factor	<= 0.00070	<= 0.00070	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

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