PRE-ELEC® CP 1319

Ethylene Vinyl Acetate Copolymer

Premix Oy

Message:

PRE-ELEC® CP 1319 is a conductive thermoplastic compound based on EVA. Conductivity is achieved by using special conductive carbon black. In addition to a low electrical resistivity. PRE-ELEC® CP 1319 has excellent mechanical properties and is easy to extrude.
Typical applications include blown mono- or co-extrusion film for ESD bags and innerliners, bags or layflat tubing for hazardous powders. PRE-ELEC® CP 1319 is also suitable for extrusion foam applications.

General Information			
Additive	Carbon black		
Features	Conductivity Workability, good		
Uses	Blown Film Bags Pipe fittings		
Forms	Particles		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.02	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/10.0 kg	4.5	g/10 min	ISO 1133
190°C/5.0 kg	1.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Transverse flow: Yield	13.1	MPa	ASTM D638
Flow: Yield	13.1	MPa	ASTM D638
Transverse flow: Yield	13.0	MPa	ISO 527-2
Flow: Yield	13.0	MPa	ISO 527-2
Across Flow	15.2	MPa	ASTM D638
Flow	19.3	MPa	ASTM D638
-- [1]	15.0	MPa	ISO 527-2
-- [2]	19.0	MPa	ISO 527-2
Tensile Elongation			
Transverse flow: Yield	60	%	ASTM D638, ISO 527-2
Flow: Yield	70	%	ASTM D638, ISO 527-2
Transverse flow: Fracture	> 600	%	ASTM D638
Flow: Fracture	> 600	%	ASTM D638
Fracture [3]	> 600	%	ISO 527-2

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ESD STM11.11, IEC 61340-2-3
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	60.0	°C	
Drying Time	3.0	hr	
Cylinder Zone 1 Temp.	180	°C	
Cylinder Zone 2 Temp.	180	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	190	°C	
Cylinder Zone 5 Temp.	200	°C	
Extrusion instructions			
Cylinder Zone 6: 200°C			
NOTE			
1.	Across Flow		
2.	Flow		
3.	Across Flow		

Recommended distributors for this material

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