

Rilsamid® AESN Noir P212 CTL

Polyamide 12

Arkema

Message:

Rilsamid® AESN Noir P212 CTL is a plasticized conductive grade designed for tube extrusion. AESN Noir P212 CTL is specially designed for conductive multi-layers fuel line applications.

MAIN APPLICATIONS

Conductive layer for fuel line applications.

General Information			
Additive	Plasticizer		
Uses	Automotive Applications Tubing		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	1.60	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	75		
Shore D, 15 sec	69		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	860	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	32.0	MPa	
Break	38.0	MPa	
Tensile Strain			ISO 527-2
Yield	23	%	
Break	> 200	%	
Flexural Modulus	820	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	48	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	174	°C	ISO 11357-3

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ISO 3915
Additional Information	Nominal Value		Test Method
ISO Shortname	PA12, EHLZ, 22-010		ISO 1874
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Melt Temperature	230 to 270	°C	

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