

MEGOLON™ S336

Thermoplastic

AlphaGary

Message:

MEGOLON™ S336 is a thermoplastic, halogen free, fire retardant cable sheathing compound. It has been developed to exhibit high levels of fire retardancy, enabling designs of cables to meet more stringent fire test specifications.

General Information			
Features	Flame Retardant		
	Halogen Free		
Uses	Cable Jacketing		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (150°C/21.6 kg)	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	10.0	MPa	IEC 60811-1-1
Tensile Strain (Break)	150	%	IEC 60811-1-1
Thermal	Nominal Value	Unit	Test Method
Cold Elongation (-15°C)	40	%	IEC 811-1-4
Hot Pressure Test (80°C)	35	%	IEC 811-3-1
Smoke Density			ASTM E662
Flaming mode : 1.50 mm ¹	< 65	Ds	
Non-flaming mode : 1.50 mm ²	< 130	Ds	
Smoke Index (1.50 mm)	11.0		NES 711
Halogen Acid Gas Evolution	0.0	%	IEC 60754-1
Draw Down	1.5:1.0		
Extruder Screw Compression Ratio	1.0:1.0 to 2.0:1.0		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	51	%	ISO 4589-2
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 70.0	°C	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	140	°C	
Cylinder Zone 3 Temp.	145	°C	
Cylinder Zone 4 Temp.	150	°C	
Cylinder Zone 5 Temp.	160	°C	
Melt Temperature	165 to 175	°C	

Die Temperature	165	°C
NOTE		
1.	Time to maximum: 14 minutes	
2.	Time to maximum: 18 minutes	

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