

megolon S336
Sheathing Grade Compound

PROVISIONAL TECHNICAL DATA SHEET

DESCRIPTION

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.

TECHNICAL PROPERTIES

Primary Properties	Unit	Nominal Value	Test Method
Tensile strength	MPa	10	IEC 60811-1-1
Elongation at break	%	145	IEC 60811-1-1
Oxygen Index	%	51	ISO 4589-2
Density	g/cc	1.63	ASTM D-792
Melt Flow Rate (21.6 kg, 150°C)	g/10 mins.	0.6	ISO 1133

Thermomechanical Properties

Hot pressure at 80°C	%	35	IEC 811-3-1
Cold elongation at -15°C	%	40	IEC 811-1-4

Fire and Smoke Test Properties

Halogen acid gas evolution	%	ZERO	IEC 60754-1
Smoke density – Flaming mode (1.5mm)	Ds max	65	ASTM E-662
Time to maximum	minutes	14	
Smoke density – Non-flaming mode (1.5mm)	Ds max	132	ASTM E-662
Time to maximum	minutes	18	
Smoke index (1.5mm)		11	NES 711

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