

TECHNICAL DATA SHEET

MEGOLON® S663

MEGOLON® S663 is a thermoplastic, halogen free, fire retardant compound for cable sheathing applications such as data cables and shipboard wiring and incorporates an additive to give improved processing characteristics.

APPLICATIONS

- CENELEC: EN 50290-2-27
- IEC: IEC 60092-359 SHF1

TECHNICAL PROPERTIES

Primary Properties	Unit	Nominal Value	Test Method
Tensile Strength	Mpa	13	IEC 60811-501
Elongation at break	%	230	IEC 60811-501
Oxygen Index	%	43	ISO 4589-2
Density	g/cc	1.57	ASTM D-792
Melt Flow Rate (21.6 kg, 150°C)	g/10 mins	4.5	ISO 1133

Mechanical Properties

Tear strength	N/mm		BS 6469:99.1
Tensile strength after 7 days at 80°C	Mpa	15	IEC 60811-401
Variation	%	+15	
Elongation at break after 7 days at 80°C	%	175	IEC 60811-401
Variation	%	-24	

Thermomechanical Properties

Hot pressure at 90°C	%	30	IEC 60811-508
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Oil Resistance Properties

Medium	Temperature	Duration	Tensile Strength (Mpa)	Variation (%)	Elongation at Break (%)	Variation (%)
IRM 902	23°C	7 days	11.2	-13.5	201	-12.5
IRM 902	70°C	4 hours	9.3	-29	166	-28
IRM 903	23°C	7 days	12.6	-3	184	-20

Customer shall not copy, reverse engineer, analyze or have analyzed AlphaGary's compounds or allow others to do so.

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