



AS Rubber & Plastics Limited

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Specification Sheet

AS615 Reticulated PE/EPDM FR

POLYETHYLENE CHEMICAL CROSS LINKED CELL -30 KG/M3 – LEX FR FLAME RETARDENT EPDM ADDED

<u>Properties</u>	<u>Test Method</u>	<u>Unit</u>	<u>Value</u>
DENSITY	53420	Kg/m3	30 +/- 3
TENSILE STRENGTH	53571	N/mm2	
LENGTHWAYS			> 0,16
CROSSWAYS			> 0,14
ELONGATION AT BREAK 53571		%	
LENGTHWAYS			> 95
CROSSWAYS			> 105
HARDNESS		Sh A	13 +/- 3
OPERATING TEMPERATURE			
Bending Trial	51949	°C	- 30
RANGE			
Dimensional Stability	53431	°C	+ 80
COMPRESSION SET 22 h, 25%,23°C			
After compression release			
0,5 h	53572*	%	< 15
24 h	53572*	%	< 8
100 h	53572*	%	< 4

WATER VAPOUR PERMABILITY	52615	ng/Pa s m	0,12
ELECTRICAL CONDUCTIVITY	Norma CEI 15 -23	Ohm x m	> 100
THERMAL CONDUCTIVITY		Kcal/h m °C	λ=0,0340
TEST REACTION TO FIRE	UNI 9174	CLASSIFIED	CL1

In Rolls or in Sheets
Width Up to 2000mm
Length 50 or 100 L.M. depends to the thickness

TECHNICAL PROPERTIES

Compound based by different polyolefin elastomeric polymers, with densities ranging from 30 to 300 KG/M3 in various colours and thicknesses.

With respect to the normal polyethylene, present characteristics of greater elasticity and adapts more easily to multiple uses.

PHYSICAL CHARACTERISTICS CHEMICAL

Regular cellular structure
Resistance to organic solvent
Good tensile strength and tearing
Good resistance to ageing
Ease of processing and application of adhesives on foam

AREA OF USE

Automotive
Building Construction
Air Conditioning
Sport and Leisure

HEALTH

No asbestos, CFC-free, without smell gas expansion