

## 1. Identification of substance

Manufacturer : Premier Farnell  
150 Armley Road  
Leeds LS12 2QQ  
Tel. : +44 (0) 8701 202530

Emergency Contacts : +44 1865 407333

Commercial Name : EPDM

Area of Usage : Rubber for rubber grommets

## 2. Composition/Data on components

Halogen free rubber based on Ethylene-Propylene rubber (EPDM).

## 3. Hazards identification

The material is not classified as unhealthy in normal conditions.

## 4. First aid measures

Contact with Eyes : Wash with water

Contact with Skin : If skin irritation appears, wash with water.

Ingestion : As with swallowing of any foreign substance, consult physician.

Inhalation : In case of inhalation of flue gases from overheating or combustion, attend to fresh air. Obtain medical attention if irritation persists.

## 5. Fire fighting measures

Extinguishing Media : Dry powder, carbon dioxide, foam or water.

Specific Hazards : Carbon monoxide, carbon dioxide, carbon disulphide and various hydrocarbons.

Use of breathing apparatus is recommended.

## 6. Accidental release measures

Environmental and personnel  
Precautions : -  
Sanitation : -

## 7. Handling and storage

Handling : Handle as normal rubber products

Storage : In original packaging at room temperature

## 8. Exposure controls and personal protection

Respiratory Equipment : Not required at normal use

Protection of Hands : Not required at normal use

Protection of Eyes : Not required at normal use

## 9. Physical and chemical properties

Shape	: Solid
Colour	: Grey, black or white
Odour	: Rubber
pH	: N/A
Temperature of Decomposition	: >200°C
Auto-ignition temperature	: N/A
Flash point	: N/A
Explosiveness	: N/A
Specific gravity	: 1350 kg/m <sup>3</sup>
Solubility	: Insoluble in water

## 10. Stability and reactivity

Conditions to avoid	: Heat above 200°C
Material and chemical products to avoid	: Mineral oil and products made thereof
Hazardous decomposition products	: Carbon monoxide, sulphur dioxide, nitrous fumes and hydrocarbons

## 11. Toxicological information

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## 12. Ecological information

General information	: Products made from this material are very resistant to biodegradability, and not known to give ecotoxicity.
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## 13. Disposal considerations

Take into account local authority regulations.

## 14. Transport information

Identified as non-dangerous goods according to national and international transport regulations.

## 15. Regulatory information

No marking necessary, see local and federal regulations

## 16. Other information

None

# Safety Data Sheet

## Rubber polymer

Ethylene propylene rubber, EPDM, RAL 7001

Property			Unit		Requirement	Result	Test method
Hardness			IRHD	±5	60	59	SS-ISO 48
Hardness			Sh A		-	58	SS-ISO-7619-1
Tensile strength			MPa	mim.	7	8	SS-ISO 37
Elongation at break			%	mim.	250	514	
Tear strength			N/mm	mim.	15	16	SS-ISO 34-1 C
Elongation at 2,5 MPa			%		-	162	SS-ISO 2285
Creep			%	max.	-	19	
Tension set			%	max.	-	5	
Heat- ageing at 100°C	Tension set 50% strain	24h	%	max.	45	37	SS-ISO 2285
		72h	%	max.	60	48	
	Compression set	24h	%	max.	45	43	SS-ISO 815 <sup>1)</sup> Test pieces type A
		72h	%	max.	60	56	
		1000h	%	max.	-		
	Change in hardness	72h	IRH	max.	+5	+4	SS-ISO 48 <sup>1)</sup>
1000h		IRH	max.	-			
Change in Tensile strength	72h	%	max.	-15	-3	SS-ISO 37 <sup>1)</sup>	
	1000h	%	max.	-			
Change in 72h% Elongation at break	72h	%	max.	-35	-24		
	1000h	%	max.	-			
Ozone resistance 96h / 40°C / 50pphm			%	mim.	80	80	SS-ISO 1431-1
Retraction after freezing TR 10			°C	max.	-40	-43	SS-ISO 2921
Retraction after freezing TR 30			°C	max.	-30	-37	
Density			g/cm <sup>3</sup>		-	1, 32	SS-ISO 2781
Resistivity at 23°C (Zt)			Ωm	mim.	10 <sup>6</sup>	>10 <sup>6</sup>	SS-ISO 1853

Preparation of test pieces					
Vulkanization	Plate	15	Minutes	170	°C
	Cylindrical test piece	22	Minutes	170	
Postcure	Plate	-	Hours	-	
	Cylindrical test piece	-	Hours	-	

Temperature and relative humidity in the laboratory: 22°C / 55%

<sup>1)</sup> Ageing in accordance with SS-ISO 188, Method A

# Safety Data Sheet



Part Number
1458220
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