

TECHNICAL DATA – R900 GRADE RUBBER PRODUCTS

DENSITY	900 kg/m ³			
TENSILE STRENGTH	1.4 N/mm ² B.S. 903/2A			
ELONGATION AT BREAK	80% MIN B.S. 903/2A			
HARDNESS	60° SHORE A			
DURABILITY	AMENDMENT N°2 TO B.S. 5696 PART 3 ADVISES THAT THE WEAR INDEX SHOULD NOT BE GREATER THAN 1.0 AND THE WEAR RATIO SHOULD BE BETWEEN 1.0 AND 3.0			
WEAR INDEX (G/1000 REVS.)	UNAGED AIR AGED	AGED	WATER AGED	U.V. AGED
	0.18	0.19	0.25	0.18
WEAR RATIO	1.29	1.36	1.14	1.20
SLIP RESISTANCE	B.S. 7188 (RECOMMENDED MINIMUM VALUE OF 40)			
	DRY	WET		
	63-68	52-56		
FLAMMABILITY:	CONFORMS TO BS.4790 – B2 (DIN4102)			
	TIME FROM APPLICATION OF NUT TO EXTINCTION 383-425 SECONDS. GREATEST RADIUS OF AFFECTED AREA 19-20MM CLASSIFICATION <u>LOW</u> RADIUS OF IGNITION.			
THERMAL STABILITY.	THERMAL EXPANSION FROM 20° TO 50°C IS 0.5%			
	THERMAL EXPANSION FROM 50° TO 80°C IS 1%			
(NOTE) IF PAVERS ARE ADHERED WELL TO SUBSTRATE, THERMAL EXPANSION IS ONLY IN THE VERTICAL MODE).				
U.V STABILITY	B.S. 1006 LIGHT FAST TO 7 (LIFESPAN DEPENDENT OF TYPE OF SURFACE WEAR/APPLICATION AND LOCATION).			
PERMEABILITY	R900 IS NOT POROUS,			
SOUND DAMPING	UP TO 30 db REDUCTION.			
C.F.H.	T.B.A.			
PLEASE NOTE:	THE ABOVE DATA DOES NOT FORM PART OF ANY GUARANTEE ON BEHALF OF THE MANUFACTURER. INFORMATION GIVEN AS A GUIDELINE BASED ON TEST RESULTS FOUND BY REPUTABLE TEST HOUSES.			

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COSHH STATEMENT - R900 GRADE RUBBER

The tiles and mats are manufactured in compression moulds and pressed under load and heat using the following ingredients:

FACE MATERIALS

Recycled tyre shred from truck and car origins, 92% of the mass is rubber.

BINDER

The rubber is bound with 10% flexible polyurethane, and is classified non-hazardous and chemically inert. There are no solvents within the blend, or added to thereafter to cause vapours, odours or effects to surfaces the product may come in contact with.

SIZE AND TOLERANCES

The dimensions and thickness fall within the commercial tolerances of the rubber moulding industry and is typically + - 0.25%.

COLOUR

R900 can have a liquid pigment added to the mix. The pigment is not toxic and is chemically inert and is classified as non hazardous. Being made using recycled materials the surface appearance may vary slightly. The colour will fade slightly darker as it wears but is not detrimental to the original quality and durability of the mat and surface.

COMPONENT ORIGINS

The rubber is sourced from U.K processing plants and re-treading companies.

RECYCLING/REUSABILITY

The materials can be recycled through typical re-granulation processes with no detrimental effect to the processor and the environment.

SUMMARY

The materials do not contain separate ingredients or minerals that would be hazardous to health under the terms of the COSHH Regulation 1988.

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