

464

PRODUCT DATA SHEET

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DESCRIPTION

464 is a high density, electronically cross-linked, closed cell, black polyethylene foam, coated both sides with an acrylic, permanent, pressure sensitive high performance adhesive.

464 is designed specifically for automotive applications, which encompass the requirements of engineering, design and service performance.

CONSTRUCTION

- Adhesive : High shear, permanent acrylic.
Thickness : 2 x 60 microns.
- Carrier : High density, electronically cross-linked, closed cell, black PE foam.
Thickness : 0.8mm
- Liner : Brown PPP

FEATURES AND BENEFITS

464 offers particularly improved values on:

- petrol resistance
- flexibility
- dynamic Shear
- durability
- ease of application
- in-service performance

TYPICAL APPLICATIONS

464 is recommended for body side mouldings, badging and rubber profiles and is suitable for high performance interior and exterior uses.

SURFACE PREPARATION

To secure sufficient initial bonding, foam should be laminated a 20°C or above. Surfaces to be laminated should be clean, smooth and preferably metal or polar plastics. After lamination, at least 24 hours should pass before application onto the car body.

PHYSICAL PROPERTIES METHODS	TYPICAL VALUES	UNITS	TEST
THICKNESS:-			
Adhesive & Carrier	800	Microns	
TENSILE STRENGTH 300mm/min	>45	N/sq cm	T Block @
PEEL ADHESION 180 degrees 1000	>800	N/M	ASTM D-
TEAR ADHESION (DYNAMIC) 1002			ASTM D-
Ultimate (48 hrs. RT)	>50 N/cm ²		
After ageing (2 wks)			
Heat ageing 70°C	>60 N/cm ²		
Humidity 40°C / 98% r.h.	>45 N/cm ²		
Environmental Cycling (- 40°C / + 40°C - 98% r.h. / + 80°C)	>50 N/cm ²		
AFTER PETROL IMMERSION (1 hr. in ASTM Fuel B)	>32 N/cm ²		
SHEAR ADHESION FAILURE TEMP (Weight : 225 gram)	>150°C		
Temp increase	: 0.5°C / min		
Test area	: 6.25cm ²		
STATIC SHEAR (70°C) (1 kg / 5cm ²)	>10	Min	
COLD SHOCK PERFORMANCE	- 40°C	No loss of adhesion	

COMPLIES WITH: Ford Specs. - SKM3G184 & WSKM11B513A1
 General Motors Spec. - TM5907-00
 BL Spec. - BLS22LA02

IMPORTANT - Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their specific purposes.

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