

# FR 10 AD



The automotive and aerospace industries some mechanical parts are highly loaded with temperatures, corrosion and erosion. To protect them against these heavy influences, plasma spraying is the solution.

Fiberflon FR-10AD plasma spray masking tape is designed to withstand the most demanding plasma and flame spray, and grit-blasting applications. These tapes protect the unwanted coating areas both from the grit blasting and from the actual plasma spray coating. Plasma spray masking tapes are constructed of a silicone rubber and fiberglass fabric composite and resists the high temperatures of the plasma spray coating process and have excellent abrasion resistance. The adhesive is a high-temperature silicone PSA, which allows the product to withstand continuous temperatures up to 260°C / 500 °F and also releases cleanly from metal surfaces with no adhesive residue. Standard rolls are 33 meters / 36 yards length by 1000 mm / 39.5 inches wide and can be slit in widths ranging from 6.5 mm / 0.26 inches to 1000 mm / 39.5 inches. FR-10AD tapes are available with either a yellow PVC liner or a clear flat liner. The product does not contain banned substances as described in RoHS directive and will not affect RoHS compliance.

Product	Product category	Coating
PLASMA SPRAY MASKING TAPE	ADHESIVE TAPE SERIE	SILICONE PSA

Properties	Metric		Imperial	
Standard width	1000	mm	39.5	inches
Total thickness	0,28	mm	0.0110	inches
Adhesion to steel	15	N/25 mm	55	oz/inches
Adhesion to itself	11	N/25 mm	40	oz/inches
Tensile strength	800	N/25 mm	183	oz/inches
Elongation at break	5	%	5	%
Temperature resistance	260	°C	500	°F

Color : Cream

Core ID Ø : 76 mm for 33 m tapes / 3 inches for 36 yards tapes

**PRECAUTION REMINDERS**

Please kindly pay attention our precaution reminders before applying Fiberflon pressure-sensitive adhesives tapes. Prior to application, surface should be inspected carefully. Application surface should be clean, oil-free, without moisture and dirt. If the surface is extremely uneven or distorted, the tape may not adhere well. When applying, Fiberflon PSA tapes may require some pressure through roller, hand or press. Once applied, please allow sufficient time for full adhesive strength.

**GENERAL STORAGE CONDITIONS**

Best stored between 10°C-27°C / 50°F- 80°F, 25-50% relative humidity, out of direct sunlight.

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Note: Nominal thickness, tensile strength and adhesion values are typical and are not intended as a specification minimum. All technical data are based on average values. These values are not intended for use in preparing specifications. Technical information contained herein are based on test results FIBERFLON believes to be reliable, but they are not to be construed in any manner as warranties expressed. All data is subject to change without notice.