Felt Bumpers

Washers, Bumpers

Felt material typically used for oil applicators and air-tight gaskets are offered as bumpers and washers.



Туре	No Adhesive	Adhesive	M Material	Density (g/cm³)	Color	Allowable Temperature
Washer	WFEP	WFEPA	Polyester Felt	0.0		0 ~ 120°C
wasner	WFEH	WFEHA	Polyamide Felt	0.2	White	-50 ~ 250°C
Bumper	BFEL	BFELA	Polyester Felt	Refer to the following		-10 ~ 60°C
				Allowable te	mperature for	adhesive is 0 ~ 80°C.

Adhesive Seal (Thickness 0.06 ~ 0.10mm) (No Adhesive) (Adhesive) Through Hole Type >

■Washer Type

Part Number		V								T Selection	Unit Price				
Туре	D	Selection						WFEP	WFEPA		WFEH	WFEHA			
No Adhesive	8	0	3												
WFEP	10	0		4							3				
WFEH	12	0		4	6						(WFEP				
Adhesive	15	0		4	6	8					(WFEPA)				
WFEPA	20	0			6	8	10	12			/ WFEH \				
WFEHA (x1.1)	25	0			6	8	10	12	16	20	(WFEHA)				
() Material Multiplier	30	0			6	8	10	12	16	20					

^{*} T dimension for Polyester Felt is 3mm, for Polyamide Felt is 4mm.

Bumper Type (L dimensions indicate the length of felt base materials. The values are for reference only.)

Part Numl	L	v	Unit Price			
Туре	D	Selection	٧	L10	L20	L30
No Adhesive	20	10 20 30	0			
Adhesive	20	10 20 30	10			
BFELA (x1.1)	30	40.00.00	0			
() Material Multiplier		10 20 30	10			

This product, especially L dimension 20 and 30, may be deformed during delivery.





Characteristics of Felt

- 1.Excellent in weather resistance. (Affected by alkaline solution.)
- 2.Excellent in oil absorbability. It has the property of soaking up oil by capillary action.
- 3.Excellent in oil absorbability. It can absorb up to approx. 80% of its total volume.
- 4. Has good polishing characteristics. Provides high polishing characteristics as it precipitates foreign materials within its tissue.

■Features of Materials

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Material	Details of Material	Application Example				
Polyester Felt (Sheet)	Felt made of 100% polyester Soft with Density of 0.18 ~ 0.2. General-purpose Product.	Applicable to general purpose use as oil / water absorption, cushioning materials, etc.				
Polyester Felt (with Binder)	PET : PET Binder (Bonding Material) =9:1 Fibers bonded together by the binder provides high morphological stability.	Protection material and bumper for portions exposed to high impact.				
Polyamide Felt	Felt made of 100% polyamide Excellent heat/flame resistances. UL Std. Test V-0 Equivalent.	Heat Resistant / Flame Retardant Bumpers				
Sheep Wool Felt (Rayon, PET)	Felt made of 60 % sheep wool and 40% PET. JIS-R25W2 Standard Product. Excellent in oil/water retention ability.	Cushion Material, Liquid Application (Oiling), Spacer				
Sheep Wool Felt	Felt made of 100% sheep wool Gives less damage to mating materials.	For Buffing				
Polyester Felt (Bumper Type)	Density may vary depending on L dimensions.	Oil Application to Workpieces				