



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Bumpon™ Protective Products



Quiet, Cushion
and Protect
Whatever You Need



3M

Easy-to-Apply Shapes, Sizes, and Colors Match Your Application Requirements

3M™ Bumpon™ Protective Products reduce noise, vibration and put an end to scratches. They cushion, provide spacing, stability and skid-resistance. All with pre-applied, pressure sensitive adhesives, that eliminate the need for screws, rivets or application equipment.

Choose from standard molded shapes including resilient pads, feet, buttons, strips, bumpers or spacers. More possibilities for shape, size, color and application are available, with custom 3M™ Bumpon™ Protective Products.

We have what you need for applications in:

- Cabinetry and Woodworking
- Electronics
- Automotive
- Office Products
- General Industrial
- And many more...

3M™ Bumpon™ Protective Products offer proven performance

- Pressure sensitive adhesives bond fast and permanently when pressed to most clean, dry, and smooth surfaces
- Made from long lasting resilient elastomers, that remain flexible, and provide excellent cushioning and noise damping properties
- High coefficient of friction resists skidding on most surfaces
- Easy to remove liner ensures fast application with no screws, rivets or application tools

Guidelines for choosing your 3M™ Bumpon™ Protective Products

Select the right easy-to-apply 3M™ Pressure Sensitive Adhesive for your substrate.

- A-20 Acrylic, excellent shear strength properties, good on high surface energy substrates like metal, glass and high surface energy plastics.
- R-25 Synthetic Rubber, very high tack adhesive, excellent initial adhesion, works best on low surface energy substrates and coated surfaces, like textured or powder-coated paint and polypropylene
- R-30 Natural Rubber, high tack, good initial adhesion, also good for low surface energy substrates, versatile adhesive that works well on most surfaces.

Choose the shape and design according to your application requirements.

Alignment Square shapes are challenging to align; round offer easier placement.



Circle or hexagon Rectangle

Point of contact Small or large contact area.



Flat Hemisphere

Profile Low or high profile with different heights and diameters.



Low High

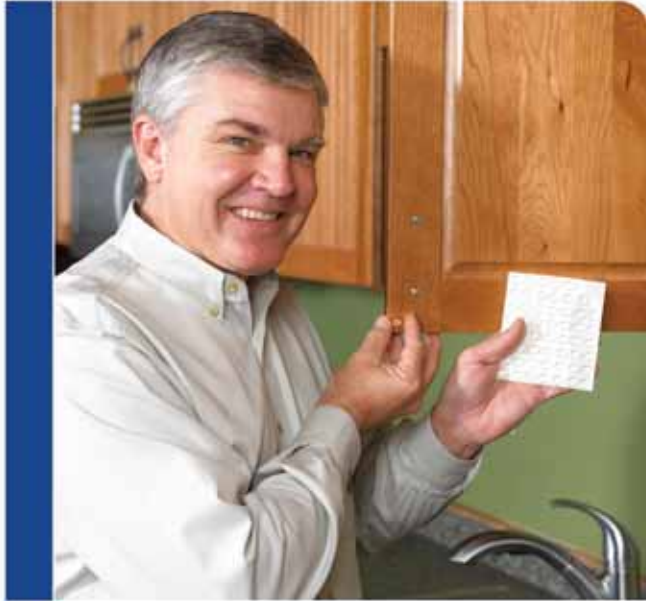
Recess Provides improved adhesive performance, impact absorption, shear strength.



Harness the Quiet Stabilizing Quality of 3M™ Bumpon™ Protective Products in Your World of:

Cabinetry and Woodworking

Take the edge off noise and put an end to scratches



Applications	Go To Products
Cabinet doors & drawers	SJ6553, SJ6561, SJ6506, SJ6512 (Quiet Clear)
Vents (top drawer/panel under sink)	SJ6512 (Quiet Clear), SJ5312 (Clear)
Picture frames	SJ5312 (Clear)
Wood surface protection	SJ5312 (Clear) and Resilient Rollstock (Family)
Inside door frame stops	SJ5312 (Clear), SJ5201 (Foam)
Door knob stops	SJ5532 (White and Black)

Electronics

Enable heat dissipation with spacers and stabilize products with non-slip, non-skid feet



Applications	Go To Products
Protective feet (bottom of medium-large non-portable computers)	SJ5012 (Black), SJ6112, Resilient Rollstock (Family), Custom (Molded) Products
Notebook computer feet	Resilient Rollstock (Family), Custom (Molded) Products
Printers	SJ5744 (Black), SJ6344EZ (Black), Resilient Rollstock (Family), Custom (Molded) Products
Mobile handhelds/organizers	SJ5302/SJ5402 (Clear or Colored), Custom (Molded) Products
Gasketing	Resilient Rollstock (Family)

Automotive

Quiet buzzes, squeaks, and rattles



Applications	Go To Products
General buzz/squeak/rattle (BSR) & noise/vibration/harshness (NVR) problems	Rollstock, Standard and Custom Molded (Full Line)
Anti-squeak spacer between seat frame and suspension - truck seat	SJ5705 (Black)
Glove/storage box cushioning/stops	SJ5006 (Black)
Trunk or rear lift glass sound damper/stop	SJ5017 (Black)
Head light spacer	SJ5306 (Clear)
Sunroof/moonroof spacer between glass and the frame	SJ6200 Series Rollstock
Surface protector/anti-mutilation for subassembly racks	SJ5800 Series Rollstock covering
Die cut parts for drink holder assemblies - base pad and/or retainer strips	SJ5900 Series Rollstock

Office Products and General Industrial

Protect surfaces, cushion, prevent marring, slippage and shifting



Applications	Go To Products
Non-slip strip applied to a desk top or flat storage shelf	Rollstock Line
Feet for light office desktop organizers, decorative items, trophies and awards	SJ5312 (Clear) or SJ5306 (Clear)
Non-slip spacer for side shelves on gas barbeque	SJ5023 (Black)
Door knob protectors	SJ5532 (White or Black)
Cushioning/protective strips on the front of freezer/cold storage units in grocery stores	Rollstock/Custom
Knife or tool grip inserts/protectors	Custom Molded Product or Rollstock
Fold out shelf - cushioning spacer - planes, recreational vehicles	SJ5312 (Clear)
Mini-blind surface protection and sound damping in semi trucks, trailer	SJ5302 (Clear) or Custom Shapes, Rollstock (die cut)
Lined bottoms of drawers or storage boxes - tools or other heavier metal items	Rollstock Line
Protective, non-slip strips for subassembly and material handling racks used in manufacturing plants	SJ5900 Series (medium density foam) Rollstock
Spacers between doors, glass, painted substrates, etc.	Rollstock Product Family
Cutting boards - feet	SJ5312 (Clear)
Microwave ovens - feet	SJ5744 (Black)
Garbage compactor - cushioning stops	SJ5003 (Black)
Lid and hatch stops in washers and dryers	SJ5008 (Black)
Small Kitchen Appliances	
Cooking & food processing portable appliances	SJ5009 (Black)
Coffee makers - feet	SJ5023 (Black/White/Grey/Brown)
Blenders - feet	SJ6115/6125 (Black)
Feet for the bottom of toasters	SJ5012 (Black/White/Grey/Brown)
Bread makers - feet	SJ6344EZ (Black)
Juicers - feet	SJ5076 (Black)

Don't see the application or Bumpon you're looking for? Please visit us at 3M.com/Bumpon



Rollstock meets your unique requirements, beyond size & shape

3M™ Bumpon™ Protective Products material in rollstock and TPE rollstock can be die-cut to meet unique size and shape requirements. With both polyurethane and Thermoplastic Elastomer (TPE) Santoprene™ rollstocks, you have a larger selection of products, to meet a wider range of temperature requirements, and two types of liners to best match converting process needs.

3M™ Bumpon™ Protective Products Rollstock:

- is offered with three different adhesive systems on a silicone treated paper liner
- comes in standard 9" and 4.5" rolls of clear or black sheet material
- provides excellent skid resistance and anti-marring characteristics
- offers excellent adhesive anchorage to polyurethane backing

3M™ TPE Rollstock:

- is offered with an acrylic adhesive system on easy to die cut 3 mil polyethylene silicone treated liner
- provides a wider application temperature range
- comes in standard black 18" rolls for wider web applications
- provides good skid resistance and anti-marring characteristics
- offers good adhesive anchorage to TPE backing
- is press ready for converting

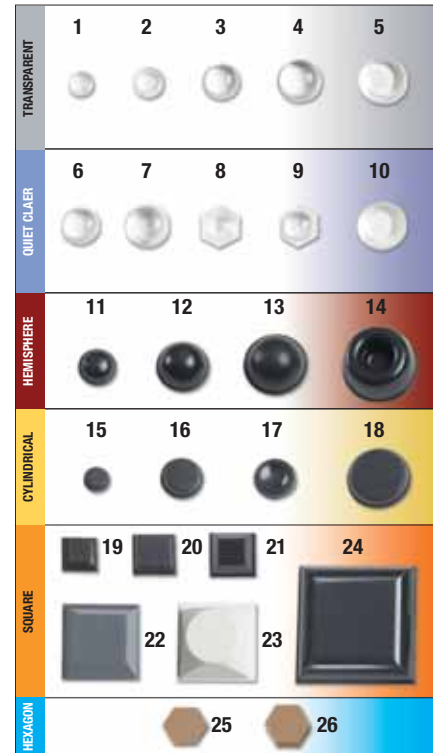


Key Bumpons

Standard Molded Shapes

	PRODUCT	COLOR	ADHESIVE	WIDTH		HEIGHT		HARDNESS Shore A
				inches	mm	inches	mm	
TRANSPARENT	1. SJ5382	t	A-20	0.250	6.4	0.075	1.9	75
	2. SJ5302	t	A-20	0.312	7.9	0.085	2.2	75
	3. SJ5306	t	A-20	0.375	9.5	0.150	3.8	75
	4. SJ5303	t	A-20	0.440	11.2	0.200	5.1	75
	5. SJ5312	t, tw	A-20	0.500	12.7	0.140	3.6	75
QUIET CLAER	6. SJ6506	c	R-25	0.375	9.5	0.150	3.8	55
	7. SJ6503	c	R-25	0.440	11.2	0.200	5.1	55
	8. SJ6553	c	R-25	0.433	11.0	0.120	3.1	55
	9. SJ6561	c	R-25	0.433	11.0	0.150	3.8	55
	10. SJ6512	c	R-25	0.500	12.7	0.140	3.5	55
HEMISPHERE	11. SJ5003	w, g, br, b	R-30	0.440	11.2	0.200	5.1	70
	12. SJ5027	g, br, b	R-30	0.630	16.0	0.312	7.9	70
	13. SJ5017	w, g, br, b	R-30	0.750	19.1	0.380	9.7	70
	14. SJ5009	w, g, br, b	R-30	0.880	22.4	0.400	10.2	70
CYLINDRICAL	15. SJ5076	b	R-30	0.315	8.0	0.110	2.8	70
	16. SJ5012	w, g, br, b	R-30	0.500	12.7	0.140	3.6	70
	17. SJ5001	b	R-30	0.500	12.7	0.145	3.6	70
	18. SJ5744	b	R-30	0.750	19.1	0.160	4.1	70
SQUARE	19. SJ5007	b, w	R-30	0.413	10.4	0.098	2.5	70
	20. SJ5008	w, g, br, b, t	R-30	0.500	12.7	0.120	3.0	70
	21. SJ5018	w, g, br, b	R-30	0.500	12.7	0.230	5.8	70
	22. SJ5023	w, g, br, b	R-30	0.812	20.6	0.300	7.6	70
	23. SJ5514	w, g, br, b	R-30	0.812	20.6	0.520	13.2	70
24. SJ5705	b	R-30	1.280	32.4	0.250	6.4	70	
HEXAGON	25. SJ5202	lbr	R-25	0.433	11.0	0.063	1.6	25
	26. SJ5201	lbr	R-25	0.433	11.0	0.125	3.2	25

Sizes shown are not actual size.



COLOR KEY	t-transparent	g-gray	b-black	c-clear
	tw-true white	w-white	br-brown	lbr-lt brown

For additional shapes, formats and rollstocks, please visit 3M.com/Bumpon

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Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10
900 Bush Avenue
St. Paul, MN 55144-1000
1 800 362 3550
www.3M.com/industrial

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