

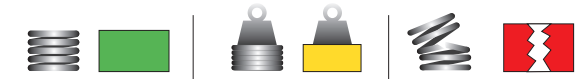


FUNCTIONAL RANGE OF MOTION

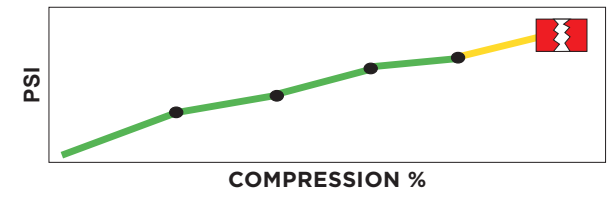
THE ONLY MOVING PARTS ON A CUTTING DIE ARE THE EJECTION MATERIALS.

Monroe Rubber & Plastic, Inc.

MATERIAL	COMPRESSION / DEFLECTION FORCE (PSI) = FUNCTIONAL AREA										SHEET SIZE
	PERCENTAGE OF COMPRESSION										
	10%	20%	25%	30%	40%	50%	60%	70%	80%	90%	Inches
Poly - Blue, Yellow, Orange	1.4	1.5	1.7	1.8	2	2.7	4.5	7.6	21		26 x 37
KRUSE	4	5	5.4	5.9	7.2	9.3	13.6	25	65		22 x 42
MR 50	6	8.5	9	9.6	11.5	15	22.5	43.5	120		22 x 42
10000	7	9.6	10.5	11.5	13.8	17.6	25.6	47.4	132		22 x 42
12000	8	11.5	13	14.4	18	23.5	36.5	77.5	190		22 x 42
MR 1100	10.2	15	16.8	18.4	22.5	29	44.5	82	205		18 x 36
22000	11.3	16	17.8	19.5	24	31	46.3	90.4	220		22 x 42
EPDM - Gray Closed Cell*	7.2	11.2	13.4	16	22.7	33.2	52.2	95	243		
15700	8.9	14.2	17.7	21.4	33.1	57					18 x 36
2700	10.7	16.6	18.4	21.4	29.6	43	74.9				18 x 36
MR 24	13.6	20.3	22.7	25	32.2	44	77	191			18 x 36
Red Rhino	15.5	23	25.2	27.6	33	41.5	60	114	250		18 x 36
6500	14.7	25.3	30	36.4	58.4	103.6					18 x 36
MR 35	19.5	29.8	33	36	43.3	55	80.5	155			18 x 36
75 Open Cell*	17	25.6	30	34.5	45.3	63.7	114.8				
MR 75	22.4	33	36.2	39.5	47.7	61	113.5	165			18 x 36
3500	18.5	30.2	35.6	42.5	64.6	113.2					18 x 36
MR 40	25.7	40	44.7	49.3	60.6	95	125	225			18 x 36
Green G'rilla	31	49.4	56	62	78.2	106.4	166	291			18 x 36
BK 85	32.4	52.5	59.5	66	82.8	110.5	167	300			18 x 36
Superstrip - 27	14.5	20.5	22.4	24.3	28.9	36	51.2	92.4			10 x 20
Superstrip - 45 (standard)	39.5	59.7	66.2	72.5	86.8	110	154.2	267			10 x 20
Superstrip - 65	63.4	106.8	122.7	137.9	173.8	232.7					10 x 20
13500 Cork	60.9	99.2	119.9	145.3	225.9						18 x 36



DENSIFICATION POINT



As with any moving mechanical or compressible part there is a maximum functional range of motion. Once that range is exceeded the item no longer functions properly which will lead to failure.

This chart shows the maximum functional range of motion in green for each product. Once the functional range is exceeded it enters the yellow densification point where the rubber becomes a solid and can no longer compress. Go beyond this point and the rubber will fail, breaking apart. For the ejection rubber to work properly it must remain within the green Functional Range of Motion.



Scan to visit our website.

*discontinued product no longer carried by Monroe.

See reverse side for product codes by color.

MONROE RUBBER & PLASTIC — COLOR OPTIONS

Product Line	White	Black	Gray	Red	Tan	Orange	Blue	Brick Red	Green	Dark Green
KRUSE		x								
MR 50	x	x		x			x			
10000		x	x	x	x	x	x			
12000		x	x	x	x	x	x			
MR 1100		x								
22000	x	x	x	x	x	x	x		x	
MR 24		x								
Red Rhino		x		x			x			
MR 35									x	
MR 75						x	x	x		
MR 40	x					x	x			
Green G'rilla										x
BK 85	x	x					x			

The above x's indicate products readily available without minimum order requirements. All products can be manufactured in any of the above colors but will require a minimum quantity commitment for each order and a slightly longer lead time.

PRODUCT KEY

MR 50	10000	12000	MR 1100	22000	Red Rhino
MR 50000 - White MR 50100 - Black MR 50500 - Red MR 50900 - Blue	10100 - Black 10300 - Gray 10500 - Red 10700 - Tan 10800 - Orange 10900 - Blue	12100 - Black 12300 - Gray 12500 - Red 12700 - Tan 12800 - Orange 12900 - Blue	27100 - Black	22000 - White 22100 - Black 22300 - Gray 22500 - Red 22700 - Tan 22800 - Orange 22900 - Blue 22G00 - Green	24100 - Black 26500 - Red 26900 - Blue
MR 35	MR 75	MR 40	Green G'rilla	BK 85	<i>Product names and part numbers do not reference durometer values. Refer to our website (monroerubber.com) for further technical information including our Functional Range of Motion chart and calculator.</i>
MR 35600 - Green	MR 7500 - Brick Red MR 75800 - Orange MR 75900 - Blue	2700 - White 27800 - Orange 27900 - Blue	MR 26600 - Dark Green	MR 26000 - White MR 26100 - Black MR 26900 - Blue	



Monroe Rubber & Plastic, Inc.

An employee owned and operated company.

The Science of Die Ejection

Our only focus: Engineering, manufacturing and supplying die ejection materials.

No one else can say that.