

Flexible Rubber Magnets

P-CER / P-REN

MATERIAL TYPE

Rubber

SURFACE PROTECTION

Not necessary / Anti UV

ORIENTATION

Axial

MAGNETIZATION

Single or Multiple Poles

TEMPERATURE BEHAVIOR

HcJ TEMPERATURE COEFFICIENT*	% / °C	+0,3
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*The temperature coefficients are nominal reference values only. They can vary for different temperatures and don't need to be linear.
**The maximum operating temperature depends on the magnet shape, size and on the specific application. Maximum working temperature data shown on the catalogue are based on the international standard $B/H = Pc > 0,7$.

PHYSICAL AND MECHANICAL TYPICAL PROPERTIES

		P-CER	P-REN
CURIE TEMPERATURE	°C	n.a.	310
RELATIVE PERMEABILITY	μ_r	n.a.	1,20
SATURATION FIELD	kOe	n.a.	> 39
ELECTRICAL RESISTIVITY	Ωm	n.a.	0,12
COMPRESSIVE STRENGTH	N/mm^2	n.a.	0,2
FLEXURAL STRENGTH	N/mm^2	n.a.	0,2
HARDNESS	Sh D	20-80	20-80
THERMAL EXPANSION COEF $\perp c$	$10^{-6} / ^\circ C$	10.5	n.a.
THERMAL EXPANSION COEF $// c$	$10^{-6} / ^\circ C$	10.5	n.a.



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GRADE	Br		HcB		HcJ		BH max		Max. Working Temp.**
	G	T	Oe	kA/m	Oe	kA/m	MGOe	kJ/m ³	
Plastoferrite with NBR Binder									
P-CER 13N	2.400 - 2.600	0,240 - 0,260	2.150 - 2.450	0,215 - 0,245	2.800 - 3.500	0,223 - 0,279	1,45 - 1,65	11,6 - 13,2	100
P-CER 13HNF	2.400 - 2.600	0,240 - 0,260	2.100 - 2.500	0,210 - 0,250	2.800 - 3.800	0,223 - 0,303	1,45 - 1,65	11,6 - 13,2	100
P-CER 13BNF	2.450 - 2.650	0,245 - 0,265	2.100 - 2.450	0,210 - 0,245	2.700 - 3.500	0,215 - 0,279	1,50 - 1,70	12,0 - 13,6	100
Plastoferrite with CPE Binder									
P-CER 13	2.400 - 2.600	0,240 - 0,260	2.150 - 2.450	0,215 - 0,245	2.800 - 3.500	0,223 - 0,279	1,45 - 1,65	11,6 - 13,2	80
P-CER 13B	2.500 - 2.700	0,250 - 0,270	2.100 - 2.400	0,210 - 0,240	2.600 - 3.000	0,207-0,239	1,50 - 1,75	12,0 - 14,0	80
P-CER 13B-D	2.500 - 2.700	0,250 - 0,270	2.100 - 2.400	0,210 - 0,240	> 2.300	>183	1,50 - 1,75	12,0 - 14,0	80
P-CER 14	2.550 - 2.750	0,255 - 0,275	2.100 - 2.400	0,210 - 0,240	>2.300	>183	1,55 - 1,75	12,4 - 14,0	80
Plastic NdFeB									
P-REN 2	2.5 - 3.5	0.25 - 0.35	1.5 - 2.5	120 - 200	2.0 - 4.0	150 - 320	1.5 - 2.5	12 - 20	120
P-REN 3	3.3 - 4.3	0.33 - 0.43	2.1 - 3.1	170 - 250	3.8 - 6.8	302 - 540	2.5 - 3.5	20-28	120
P-REN 4	3.8 - 4.8	0.38 - 0.48	2.7 - 3.7	210 - 300	6.8 - 8.8	540 - 700	3.5 - 4.5	28 - 36	120
P-REN 5	4.3 - 5.3	0.43 - 0.53	3.2 - 4.2	250 - 340	7.8 - 9.8	630 - 800	4.5 - 5.5	36 - 44	120
P-REN 6	4.8 - 5.8	0.48 - 0.58	3.7 - 4.7	290 - 380	8.00 - 10.00	630 - 800	5.5 - 6.5	44 - 52	120
P-REN 7	5.3 - 6.3	0.53 - 0.63	4.3 - 5.3	340 - 420	8.5 - 11.00	670 - 880	6.5 - 7.5	52 - 60	120
P-REN 8	5.7 - 6.7	0.57 - 0.67	4.5 - 5.5	350 - 440	8.5 -11.0	670 - 880	7.5 - 8.5	60 - 68	120
P-REN 9	6.1 - 7.1	0.61 - 0.71	4.7 - 5.7	370 - 450	8.0 - 10.5	640 - 840	8.5 - 9.5	68 - 76	120
P-REN 10	6.8 - 8.0	0.68 - 0.80	4.7 - 6.1	370 - 486	6.5 - 10.5	510 - 840	9.5 - 11.0	76 - 88	120
P-REN 2-E	2.5 - 3.5	0.25 - 0.35	1.5 - 2.5	120 - 200	2.0 - 4.0	150 - 320	1.5 - 2.5	12 - 20	120
P-REN 3-E	3.3 - 4.3	0.33 - 0.43	2.1 - 3.1	170 - 250	3.8 - 6.8	302 - 540	2.5 - 3.5	20-28	100
P-REN 4-E	3.8 - 4.8	0.38 - 0.48	2.7 - 3.7	210 - 300	6.8 - 8.8	540 - 700	3.5 - 4.5	28 - 36	100
P-REN 5-E	4.3 - 5.3	0.43 - 0.53	3.2 - 4.2	250 - 340	7.8 - 9.8	630 - 800	4.5 - 5.5	36 - 44	100
P-REN 6-E	4.8 - 5.8	0.48 - 0.58	3.7 - 4.7	290 - 380	8.00 - 10.00	630 - 800	5.5 - 6.5	44 - 52	100