

# Neocomp I 32/110 PPA

## Product description

Magnetic material: Isotropic NdFeB  
Bonding material: PPA

## Magnetic properties

	Unit	min	typ
Residual induction; $B_r$	mT	420	435
Coercive force; $b_{Hc}$	kA/m	300	300
Intrinsic coercive force; $i_{Hc}$	kA/m	900	1215
Energy product; $BH_{max}$	$\text{kJ/m}^3$	30	32
Temperature coefficient; $TK_{Br}^{**}$	%/°C		-0,11
Temperature coefficient; $TK_{iHc}^{**}$	%/°C		-0,40
Magnetising field strength; $M$	kA/m		2000

Values shown in the table are typical and vary depending upon part geometry.

## Other relevant properties

	Unit	Value
Density; $\rho$	$\text{g/cm}^3$	4.59
Operating temperature; $T_{op}^{*/***}$	°C	150
Flexural strength; $\sigma_{fM}$	MPa	130
Glass transition; $T_g$	°C	100
Melting temperature; $T_m$	°C	310

\* Max operating temperature depends on the magnet dimensions, the exposure time and the specific application. Please get in touch with our applications engineers for any further info.

\*\* In the temperature range from 20 °C to 100 °C.

\*\*\* For magnets with PPS as binder, the chemical resistance to oils, grease, motor oils etc. is significantly better than for PA-bonded magnets; however this has to be checked in individual cases.