



isovac 330-35 A

The perfect solution for direct application

Manufactured in the most modern production lines, this fully processed isovac® grade exhibits highly homogeneous properties across the width and length of the entire strip. The result is excellent and consistent processability in the manufacture of highly efficient electrical components. Upon request, isovac 330-35 A can be supplied with an electrical steel insulation system and can be used directly in as-delivered condition.

Convincing advantages:

- » Best processability through consistent mechanical properties and homogeneous, clean surfaces
- » Excellent stackability resulting from high dimensional accuracy in rolling direction and perpendicular to rolling direction (thickness tolerance)
- » Innovative electrical steel insulation systems upon request



Premium quality
with reduced carbon footprint

isovac®
greentec steel

voestalpine supplies isovac 330-35 A, an electrical steel of the highest quality. We offer you a customer-focused overall package of products, service and logistics in addition to all the advantages of our integrated metallurgical facility and Steel Service Centers.

Grade named pursuant to conventional international standards:

Grade named according to isovac®	DIN EN 10106		IEC	JIS	GOST	ASTM	AISI	IS648	GB/T2521.1
	Material No.	Abbreviation	60404-8-4	C2552	21427.2	A677			
isovac 330-35 A	1.0804	M330-35A	M330-35A 5	35A330	-	36F185	M-36	35C330	35W330

Mechanical properties:

Tensile test pursuant to DIN EN ISO 6892-1

Test direction: Transverse

Grade named according to isovac®	0.2 %-Yield strength $R_{p0.2}$ [MPa] min.	Tensile strength R_m [MPa]	Elongation A_{80} [%] min.
isovac 330-35 A	345	485 - 545	27

Magnetic properties:

in as-delivered condition

Magnetic measurement pursuant to DIN EN 60404-2 (Epstein test)

Test direction: Mixed longitudinal and transverse

Grade named according to isovac®	Specific total loss at 50 Hz			Magnetic polarization at 50 Hz					
	1.0 T P10 [W/kg]	1.5 T P15 [W/kg]		2500 A/m J25 [T]	5000 A/m J50 [T]	10000 A/m J100 [T]			
	typ.	max.	typ.	min.	typ.	min.	typ.	min.	typ.
isovac 330-35 A	1.25	3.30	2.90	1.49	1.56	1.60	1.65	1.70	1.76

Physical properties:

Density in accordance with DIN EN 10106

Thermal conductivity measurement pursuant to EN ISO 22007-2 (Hot-disk-method)

Grade named according to isovac®	Density ρ [g/cm³]	Specific electrical resistance ρ_s [μΩcm] typ.	Thermal conductivity λ [W/mK] typ.
isovac 330-35 A	7.65	52.0	22



Datasheets and simulation data are available at
www.voestalpine.com/isovac/en/product-overview/data-sheets

Available Dimensions

Grade named according to isovac®	Delivery form	Width [mm] min.	Length [mm]
isovac 330-35 A	Wide strip / Slit strip	19	-
	Cut-to-length sheets	300	300 - 5000

Deliverable coating systems

Grade named according to isovac®	Uncoated	C-3	Backlack	C-5	C-6
isovac 330-35 A					

 Available  On request



Premium quality with reduced carbon footprint

isovac®
greentec steel

Fully processed electrical steel – greentec steel Edition

Max. carbon footprint 2.30 kg CO₂e per kg of steel ¹⁾

¹⁾ per EN 15804+A2 (EPD methodology) cradle to gate

All products, dimensions and steel grades listed in each voestalpine supply range are available as greentec steel Edition.

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www.voestalpine.com/isovac

