Pressure Vessel Steel Plate

OMEGA STEEL CO.
Istanbul · Dilovası plant

Normalized fine-grain pressure-vessel plate to EN 10028-2 — P235GH, P265GH, P295GH, P355GH and the molybdenum-alloyed 16Mo3 for elevated temperature — plus ASTM A516 Grade 60/70 and A285 Grade C, 5–100 mm thick, 2 000–3 000 mm wide, with EN 10204 3.2 inspection, ultrasonic testing and PED/AD 2000 compliance, cut, bevelled and rolled into shells in Dilovası for boiler makers, tank and vessel fabricators and heat-exchanger shops.

P235GH – P355GH · 16Mo3 | EN 10028-2 · PED | A516 Gr. 60 / 70 | 5 – 100 mm normalized | 3.2 · UT · rolled shells

Vessel and boiler makers in the Gulf, Balkans and CIS buy from Turkey because the mills roll PED-certified P265GH and P355GH in the thickness they need with short lead times. We stock P265GH and P355GH 6–40 mm, order 16Mo3, P295GH and A516 Gr. 70 for specific projects, and deliver plates cut, bevelled and rolled into shells and dished ends from our own lines — with 3.2 certificates witnessed by TÜV, BV or Lloyd's.

GRADES AND ELEVATED-TEMPERATURE PROPERTIES

Grade	Number	Yield 20 °C (MPa)	Yield 300 °C (MPa)	Tensile (MPa)	Max. design temp.	Old DIN	ASTM near
P235GH	1.0345	235	150	360–480	400 °C	HI	A285 Gr. C
P265GH	1.0425	265	175	410–530	400 °C	HII	A516 Gr. 60
P295GH	1.0481	295	200	460–580	400 °C	17Mn4	A516 Gr. 65
P355GH	1.0473	355	235	510–650	400 °C	19Mn6	A516 Gr. 70
16Mo3	1.5415	275	194 (at 400 °C 159)	440–590	500 °C	15Mo3	A204 Gr. A
P275NH	1.0487	275	—	390–510	—	WStE 285	—
P355NH	1.0565	355	—	490–630	—	WStE 355	A516 Gr. 70 (N)

Impact 27 J at −20 °C (GH) / 40 J (NH); chemistry C ≤ 0.16–0.22, Mn 0.40–1.70, Al ≥ 0.020, S ≤ 0.010–0.015 for 16Mo3/P355GH. Full data on steelstandart.com.

SIZES AND STOCK

Grade	Thickness	Width	Length	Availability
P235GH	5–60 mm	1 500 / 2 000 / 2 500	6 000 / 12 000	Order 3–5 weeks
P265GH	5–100 mm	1 500 / 2 000 / 2 500 / 3 000	6 000 / 12 000	6–40 mm stock
P295GH	6–80 mm	2 000 / 2 500	6 000 / 12 000	Order 4–6 weeks
P355GH	6–100 mm	2 000 / 2 500 / 3 000	6 000 / 12 000	8–30 mm stock
16Mo3	6–80 mm	2 000 / 2 500	6 000 / 12 000	Order 4–8 weeks
A516 Gr. 70	6–100 mm	2 000 / 2 500 / 3 000	6 000 / 12 000	Order 4–6 weeks; dual P355GH on request

STANDARDS

EN 10028-2 (flat products for pressure purposes, non-alloy and alloy steels with elevated-temperature properties) · EN 10028-3 (P275NH, P355NH weldable fine-grain) · PED 2014/68/EU (AD 2000-Merkblatt W1) · ASTM A516 / A516M Gr. 60, 65, 70 · ASTM A285 Gr. C · EN 10204 3.2 / EN 10160 UT