

Novelis Fusion™ 6HF - s200 is a heat treatable product for applications with extremely demanding formability requirements. This product is recommended for inner applications such as decklid and door inners and other closure inner panels.

Mechanical Properties

This product has an excellent balance of properties for forming and strength. In addition, it offers a unique advantage in the hemming process enabling sharp feature lines and rope hem designs that permit the reduction in perceived gap between adjacent panels. All values are typical.

Temper	UTS (Rm)	YS (Rp0.2)	Total Elongation A80
T4 Delivery	≥175 MPa	≤120 MPa	≥26%
T6 2% pre-strain, 20 min @185°C	≥210 MPa	≥160 MPa	>18%

Chemical Composition (wt. %)

This product is composed of an AlMgSi core alloy of the AA6016 family with a special ductile aluminum cladScrap can be recycled into AA6016.

Si	Fe	Cu	Mn	Mg	Cr
≤ 1.50	≤ 0.50	≤ 0.30	≤ 0.30	≤ 0.60	≤ 0.10
Zn	Ti	V	Others, each	Others	Other, total
≤ 0.20	≤ 0.15	N/A	N/A	N/A	N/A

Physical Properties

Density	2.7 x 10 ³ kg/m ³
Elastic Modulus	70,000 N/mm ²
Coefficient of Thermal Expansion	23.4 x 10 ⁻⁶ K ⁻¹
Thermal Conductivity	160 - 190 W/mK
Electrical Conductivity	26 - 30 m/Ωmm ²

Production Regions

Our manufacturing footprint allows us to tailor solutions for automakers around the world. Novelis Fusion™ 6HF - s200 is produced in the following locations:



Europe

What surface treatments are available?

Acid Etch
TiZr
PT3
AlubVS
RP4107
E1
PL39SX

Additional services may be available through our distributors, please contact your Novelis sales representative for more information.

What finishing processes are available?

Cut-to-length
Laser Blank
Edge Trimming
Slitting

Additional services may be available through our distributors, please contact your Novelis sales representative for more information.

What gauges are available?

0.9 - 7.5 mm

Please contact your Novelis sales representative for more information about available widths and gauges.

Contact Novelis

Novelis Global Automotive

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Not just aluminum, Novelis Aluminum.™

