

Industeel SUPRALSIMÂ® 690 HLE Steel for Welded and Weight-Saving Structures

Category : Metal , Ferrous Metal , Carbon Steel , Medium Carbon Steel

Material Notes:

Description: SUPRALSIMÂ® 690 is general steel plate for structure enables to make weight savings thanks to a minimum yield strength of 690 N/mmÂ². Thanks to its exceptional purity rate (very low sulphur and phosphorous contents), and its adapted chemical analysis the SUPRALSIMÂ® 690 steel is easy to shape and to weld. Information provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Industeel-SUPRALSIM-690-HLE-Steel-for-Welded-and-Weight-Saving-Structures.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	770 - 940 MPa	112000 - 136000 psi	
Tensile Strength, Yield	>= 690 MPa @Strain 0.200 %	>= 100000 psi @Strain 0.200 %	
Elongation at Break	14 %	14 %	
Charpy Impact	>= 30.0 J @Temperature -20.0 Â°C	>= 22.1 ft-lb @Temperature -4.00 Â°F	Transverse
	>= 40.0 J @Temperature -20.0 Â°C	>= 29.5 ft-lb @Temperature -4.00 Â°F	Longitudinal

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.020 - 0.050 %	0.020 - 0.050 %	
Carbon, C	0.20 %	0.20 %	
Chromium, Cr	1.2 %	1.2 %	
Copper, Cu	0.50 %	0.50 %	
Iron, Fe	93.88 - 93.91 %	93.88 - 93.91 %	As remainder
Manganese, Mn	1.6 %	1.6 %	
Molybdenum, Mo	0.60 %	0.60 %	
Nickel, Ni	1.35 %	1.35 %	
Phosphorous, P	0.020 %	0.020 %	
Silicon, Si	0.50 %	0.50 %	

Component Elements Properties	Metric	English	Comments
Vanadium, V	0.080 %	0.080 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China