



COMMERCIAL *fluid* POWER

Your Partner for Tubing and Bar!

St52.3 SRA DOM

Material Specifications



Chemistry					
Maximum C	Mn	P	S	Si	Minimum Al
0.220	1.600	0.040	0.040	0.550	0.020
Mechanicals		N/mm2	KSI		
Yield Strength		520	75		
Tensile Strength		590	85		
%Elongation 2"		18			
Hardness Rb		85			
Typical Cv (Charpy Impact) Properties 68 F Degrees				80	
Typical Cv (Charpy Impact) Properties at -4 F Degrees				30	

The above data is used for illustration purposes and should not be taken as minimum values with regard to Cv Impact at the specific strength levels. (Impact testing done in accordance with ASTM A-370. Longitudinal specimens with notch orientation OD to ID.)

Weldability

St52.3 SRA DOM demonstrated equal or superior qualities in the weldability tests compared to SAE 1026. No special requirements for pre-weld or post-weld thermal treatments were indicated

Machinability

St52.3 SRA DOM exhibited better relative machinability than SAE 1026 as demonstrated by a single-point turning test. The relative machinability was measured by either longer tool-life or higher cutting speeds; the effect of both is reduced machining costs and increased productivity

NITRO *tuff* TUBES

 FOR A GREENER TOMORROW! TM