



P. SOOD & CO.

Plot NO. 50 (DOOR No.76) SIDCO Industrial Estate Ambattur,
Chennai 600 098 Tamil Nadu, India.

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UDYAM - TN-02-0006385 GST No.33AARFP6030A1ZL PAN AARFP6030A TAN -CALP20643A IEC - AARFP6030A

SAE 8620 Peeled Bar

SAE 8620 Peeled Bar is a low alloy case hardening steel, generally supplied in the as-rolled condition.

Characterised by good core strength and toughness when carburised, hardened and tempered. 8620 (carburised) is used extensively by all industry sectors for light to medium stressed components and shafts requiring high surface wear resistance, core strength and impact properties.

Typical uses include Arbors, Bearings, Bushings, Cam Shafts, Guide pins, Piston pins, Splined shafts, Ratchets, Sleeves etc.

Size - (ROUNDS) -in mm - 25 mm to 75 mm dia. - Max Bar Length - 6 Meters.

Associated standards

N Number	Symbol	Material Standard
1.6523	805M20	EN10084

Chemical Analysis

C	Si	Mn	S	P	Cr	Ni
.10/.16	.10/.40	.35/.60	.04max	.035max	.70/1.0	3.0/3.75



Get in touch with us -

Gaurav Sood (Partner) - **P. SOOD & CO.**

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SAE 8620 Peeled Bar – Mechanical Properties.

Typical Mechanical Properties - As Rolled				
Tensile Strength Mpa		820		
Yield Strength Mpa		590		
Elongation on 5.65√s0 %		22		
Hardness	HB	240		
	Rc	24		
Typical Mechanical Properties - Water Quenched at 830°C and Tempered as Indicated *(*subject to ruling section)				
Tempering Temperature °C		205	425	650
Tensile Strength Mpa		1050	930	700
Yield Strength Mpa		765	800	556
Elongation on 5.65√s0 %		18	20	30
Izod Impact J		80	110	140
Hardness	HB	311	275	207
	Rc	34	29	16

SAE 8620 Steel Mechanical Properties in Normalized & Annealed condition (*subject to ruling section) (*subject to ruling section)						
	Tensile Strength	Yield Strength	Elongation	Reduction of Area	Impact Charpy-V	Hardness
Normalized	635 Mpa	355 Mpa	26.30%	60%	100 J	183 HBW
Annealed	535 Mpa	385 Mpa	31.30%	62%	112 J	149 HBW

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