



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

Data Sheet:

605M36T – EN16T (Bright Bar) – PEELED, REELED & GROUND BAR.

605M36T (EN16T) is a high tensile alloy steel, often hardened or tempered to the 'T' condition (850 – 1000 N/mm²).

The material combines ductility with impact resistance which makes it suitable for high loading applications such as shafts, gears, nuts and bolts. The material exhibits high wear resistance and good strength. Typical applications in general engineering. Shafts, studs, nuts etc.

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

Q&T – Quench & Tempered. - Through Hardening through Induction Heating -Polymer Quenching and Tempering – Online Process – One Bar at time. Fully automated SCADA controlled.

- 1. Peeled, Reeled and Centreless Grinding operation done to meet customer size and surface finish requirement.
Further surface coating such as Chrome or Nicle plating done by our authorised & certified vendor*
- 2. In House NABL LAB T CHECK AND CERTIFY MATERIAAL PARAMENTRS – CHEMICAL AND MECHANICAL PROPERTIES.*
- 3. FULL TRACIBILITY GURANTTED, TEST CERTIFICATE FOR RAW MATERIAL – HOT ROLLED BAR & COREESPONDING – HEAT TREATED BAR PROVIDED.*
- 4. OPEN FOR DISCUSSION TO ACCOMATING IF ANY SPECIALPARAMENTER TO BE MET IN STEEL BARS.*

Associated Standards:

EN Number	Symbol	AISI	EN Number
16	605M36	4037	EN16T

CHEMICAL ANALYSIS:

C	Si	Mn	P	S	Mo
0.32-0.40	0.10-0.40	1.30-1.70	0.00-0.035	0.0-0.03	0.22-0.30

Get in touch with us -

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

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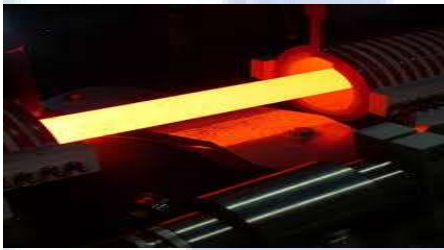
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Typical Mechanical Properties* (*subject to ruling section)					
Condition	Tensile	Yield	Elongation	Izod	Hardness
	N/mm ²	N/mm ²	%	KCV J	Brinell
R	700-850	525	17	28	201-255
S	775-925	585	15	50	223-277
T	850-1000	680	13	50	248-302

Key Features: EN16 Engineering Steel is more resistant to shear loading and frictional wearing than EN8. With good mechanical properties this high tensile steel has good shock resistance.

Typical Applications: Gears, High tensile shafts, Pistons, High load couplings, Connection rods

INDCUTION HEATING, QUENCH AND TEMPERING - STEEL BAR.



PEELING PROCESS - SURFACE REMOVAL OF STEEL BAR.



HEAT TREATED STEEL BAR - IN PEELED, REELED AND GROUND FINISH.



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