

Material Specification Sheet:**UML – 20MnCr5****Grade-** 20MnCr5

International Steel Grades

DIN : 20MnCr5

Material Group : Case Hardening Steel

Chemical Composition	C	Mn	P	S	Si	Cr	Al
%	0.17/ 0.22	1.10/ 1.40	0.035 max.	0.035 max	0.15/ 0.35	1.00/ 1.30	0.020 min

Application : For Carburizing and subsequently hardening**Metallurgical Properties:**

Inclusion Rating : A 1.5/ 0.5, B C D 1.5/1.0, E 45 A

Grain Size : Fine grain size - ASTM No. 6-8

Decarburization &

Surface Imperfections : 1 % of size max.

Microstructure : Pearlite+Ferrite

Mechanical Properties :

Coils, Hot rolled : 240 BHN max.