

# MANAURITE 36X

## MECHANICAL PROPERTIES

### 1. At room temperature

(minimum values)

Ultimate tensile strength : 450 Mpa      65 000 psi  
Yield strength : 250 Mpa      35 500 psi  
Elongation (on 4d) : 8 % for centrifugally cast pipes  
6 % for static castings.

### 1. Short time tensile tests at various temperature on as cast material

Temperature		U.T.S.		Y.S		E
°C	°F	MPa	ksi	MPa	ksi	%
750	1382	333	48.4	157	22.8	16
800	1472	265	38.2	147	21.3	20
850	1562	196	28.4	137	19.9	22
900	1652	147	21.3	118	17.1	30
950	1742	118	17.1	88	12.8	32
1000	1832	93	13.5	78	11.4	38
1050	1922	74	10.7	69	10.0	47
1100	2012	61	8.8	55	8.0	39

(typical values)

### 1. Long time tests : creep properties

See Larson & Miller curve overleaf

### CREEP RUPTURE DATA MANAURITE 36X

