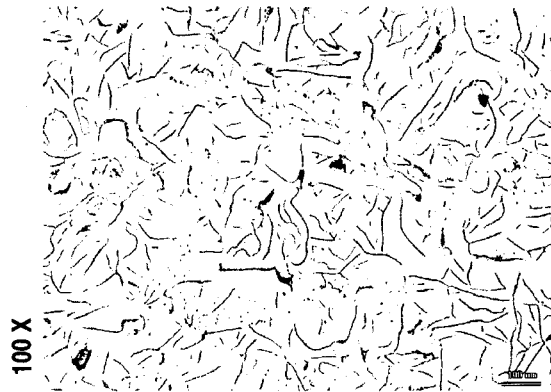


CAST IRON SPECIFICATION

Type FL 1

Chemical Composition

Elements	C	Si	Mn	Cr	P	Ni	Cu	Mo	S	Sn	V	Pb
Min. value	2,90	1,80	0,50	0,20	0,20	=	=	=	=	=	=	=
Max. value	3,60	2,70	1,20	0,60	0,60	=	=	=	0,10	=	=	=



Structure

Graphite

Flake Type **I** distrib. **A** , with rosettes **B** , permissible D (4 ÷ 6) – UNI EN ISO 945

Matrix

Pearlite

Steadite

Reticle distribution

Free Ferrite

Absent : max 5 % (rings sliding area)

Cementite

Traces



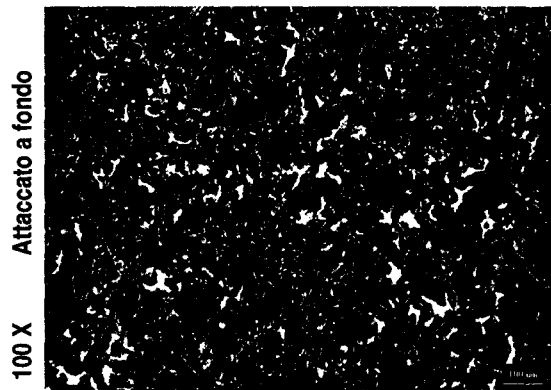
Mechanical Properties

R - Bending strength = 240 ÷ 270 N/mm²

Hardness = 220 ÷ 280 HBS

Heat Treatment

➤ Stabilizing treatment



Applications

Cast iron for centrifuged casting cylinder liner and pressed-in liner, in four and two-stroke cycle naturally-aspirated engines