

TECHNICAL SPECIFICATION TO THE REQUEST FOR PROPOSAL
no. 2021_09_01_TECHMAT

RE: Material for the production of forgings

List of materials covered by the specification:

1. Rod made of CW 724R alloy with the outer diameter of 19 mm
Quantity to order: 2800 kg (internal item code SANHA PMS9J19)
2. Rod made of CW 724R alloy with the outer diameter of 20 mm
Quantity to order: 2800 kg (internal item code SANHA PMS9J20)
3. Rod made of CW 724R alloy with the outer diameter of 26 mm
Quantity to order: 2800 kg (internal item code SANHA PMS9J26)

1. Material

1.1. CW724R compliant with EN 12165:2016. Additional limitation: Pb < 0.1%

Material designation		Composition %(mass fraction)												Density g/cm ³
Symbol	Number	Element	Cu	Al.	As	Fe	Mn	Ni	P	Si	Sn	Zn	Others total	approx.
CuZn21Si3P	CW724R	min.	75	-	-	-	-	-	0,02	2,7	-	Rem.	-	8,3
		max.	77	0,05	-	0,3	0,05	0,2	0,1	3,5	0,3	-	0,2	

1.2. Material properties:

Hardness [HB2.5] – max. 160

Gamma phase: max. 3%,

Material free from stress corrosion and resistant to dezincification.

2. Dimensions

	EN 12165
Length according to the nominal outer diameters from the order	≤ Ø 30 mm: 3.1 m ± 50 mm
Tolerances	<u>Outer diameter:</u> ± 0.30 mm
	<u>Straightness deviation:</u> Maximum 2.0 mm/m
	Other deviations in accordance with the applicable EN standard
Tip finish	Chamfered on one side – interchangeably deburred

3. Surface finish

Surfaces should be smooth, without scratches and cracks, scaling and impurities that may have a negative impact on machining or functioning of the finished product.