



PRISTA® SYNTHILIN

PRISTA OIL

■ DESCRIPTION

PRISTA® SYNTHILIN is fully synthetic concentrate which when mixed with water forms transparent water solutions. The additive package used for the formulation of the concentrate imparts very good lubricity and excellent protection both for the working tools and machined parts against corrosion and wear as well as for the working fluid against bacterial growth. Free from chlorine, nitrites, phenols and secondary amines.

PRISTA® SYNTHILIN family consists of the following products: **PRISTA® SYNTHILIN 5**, **PRISTA® SYNTHILIN 40** & **PRISTA® SYNTHILIN 150**.

■ APPLICATION

PRISTA® SYNTHILIN cutting fluids are used as 2% to 5% water solutions depending on the nature of the metalworking operation and the type of the machined metal.

METALWORKING OPERATION	PERCENTAGE IN WATER SOLUTIONS		
	PRISTA SYNTHILIN 5	PRISTA SYNTHILIN 40	PRISTA SYNTHILIN 150
Steel grinding	2-3%	2.5-3%	2.5%
Cast iron grinding	3-4%	3-4%	3-4%
Normal machining conditions	4-5%	3-4%	3-4%
Severe machining conditions	5-6%	4-5%	4-5%

■ TECHNICAL DESIGNATION:

ISO-L-MAG - 5 * according to ISO 6743/7

(* the figure stands for the viscosity of the concentrate at 40°C)



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■ TYPICAL CHARACTERISTICS

№	PARAMETER	TEST METHOD	TYPICAL VALUES		
			5	40	150
1.	Concentrate characteristics - Kinematic viscosity at 20°C, cSt - Density at 20°C, g/ml	EN ISO 3104 EN ISO 3675	5 1.044	40 1.076	150 1.092
2.	Properties of 3% water solution - pH - Foaming, mm/s - Solubilization Time, s - Cast Iron corrosion - Steel corrosion - Copper corrosion	ISO 4316 BDS 14887-79 BDS 15014-79 BDS 14912-79 BDS 14912-79 BDS 14912-79	9.0 10/0 40 pass pass pass		

Remark: The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.