

## Application

**TECHNOL KALSEDON SYN** has been developed for enclosed industrial gears to provide optimum gear protection against micropitting and bearing protection against scuffing under very severe conditions. Suitable for heavily loaded bearings and gear couplings, bevel and spur gears, compatible with seals and metals containing copper.

## Properties

- Very high protection (high and low temperature) from micropitting scuffing wear (GFT-class high)
- Excellent extreme-pressure performance: protection against high loads
- Very high natural viscosity index: (shear stable) and low friction coefficient
- Very good resistance to oxidation

## Approvals

DIN: 51517 Part 3 ⇒ Group CLP  
 NF-ISO: 6743-6 Category CKD  
 CINCINNATI MILACRON  
 DAVID BROWN  
 AISI 224

FLENDER  
 MULLER WEINGARTEN  
 AGMA: 9005 - E02  
 USINOR FT 161

## Specifications

Specifications	Unit	Test method	Kalsedon SYN Series						
			68	150	220	320	460	680	1000
Density at 15°C	kg/m <sup>3</sup>	ISO 3675	855.5	856.5	859.7	861.7	863.3	864.9	869.5
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104	67.8	147.9	220.1	313.8	454.7	676	997.8
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ISO 3104	10.77	19.4	26.2	34.6	46	64	85.6
Viscosity Index	-	ISO 2909	150	150	152	155	160	165	169
Pour Point	°C	ISO 3016	-48	-48	-45	-42	-42	-33	-27
Flash Point	°C	ISO 2592	230	235	237	233	231	237	229

\*The features mentioned above are average values obtained with some variability in production and do not constitute a specification