



## ORLEN OIL SUPER SEMISYNTHETIC 10W-40

**Quality class:** API : SJ/CF  
ACEA: A3/B3, A3/B4  
**Viscosity grad:** SAE: 10W-40

### GENERAL FEATURES:

Semisynthetic, multiseasonal engine oil based on mineral base oils with some synthetic bases added.

It provides:

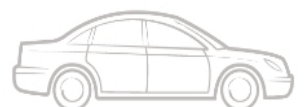
- good engine protection against wear out
- proper engine cleanness
- extended engine lifetime
- good corrosion protection
- extended interchange period

### APPLICATION:

ORLEN OIL Super Semisynthetic 10W-40 is intended for engines of cars and LCVs. It is perfect for both petrol and diesel engines in which mineral oil was used before. Application of synthetic bases provides better engine lubrication in hard operating conditions (city traffic, traffic jams) and guarantees to keep the engine staunch. It also may be used for vehicles, manufacturer of which recommends using of API: SH, SG.

### STANDARDS, APPROVALS. SPECIFICATION:

It meets provision of the following:  
Mercedes-Benz 229.1



## Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
SAE viscosity grade	-	10W-40
kinematic viscosity at 100°C	mm <sup>2</sup> /s	13.8
viscosity at -20°C	MPa·s	3100
HTHS viscosity at 150°C	MPa·s	3.69
viscosity index	-	156
flow temperature	°C	-33
ignition temperature	°C	233
base value TBN	mg KOH/g	11.4
sulphate ash	%	1.1
Noack volatility	%(m/m)	11.4

**NOTE:**

Physicochemical parameters listed in the table are typical values. Real values are stated in quality control certificates attached to each product lot.

