

# OPALJET COMPETITION

the 1st motor oil in Europe using nano-particles

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Rev. 3

## DESCRIPTION & APPLICATIONS

OPALJET COMPETITION 10W60 is the first commercially available engine oil to contain nano-particles called fullerenes. These fullerenes are molecules composed entirely of carbon but which take the form of hollow spheres. Shaped like footballs they are blocking the micro cracks and asperities in metal surfaces and by doing so they bring the friction coefficient to zero.

This research has been rewarded with the Nobel Prize for Chemistry.

Since these nano-particles are so tiny, they remain in suspension in the oil. They will neither precipitate nor be filtered out. As the fullerenes have a deep grey-purple colour then engine oil with such nano-particles is darkly coloured (almost black like carbon)

OPALJET COMPETITION 10W60 gives the highest levels of performance, meeting ACEA C3/A3/B4 ACEA and API SN / CF.

Formulated from 100% synthetic based stocks and carefully selected additives, OPALJET COMPETITION 10W60 possesses exceptional natural features (high shear strength, low volatility and good resistance to high temperatures).

OPALJET COMPETITION 10W60 is miscible with all engine oils, both synthetic and mineral and even graphitized. However its high performance and properties can only be guaranteed if used undiluted and in all cases free of other additives.

## ADVANTAGES

- High detergent and dispersant properties to maintain engine cleanliness,
- A low volatility (due to its SAE 60 grade when hot), providing minimum oil consumption,
- Good thermal stability,
- OPALJET COMPETITION 10W60 meets the FERRARI, BMW, OPEL and ALFA ROMEO requirements.

## PERFORMANCES

Satisfies to the following specifications:

ACEA C3-12

API SN/CF

FERRARI

BMW

ALFA ROMEO

OPEL

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## ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

## PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
SAE grade	-	-	10W60
Color	-	-	Dark grey
Specific gravity at 15°C	kg/m <sup>3</sup>	NFT 60101	862
Kinematic viscosity at 40°C	mm <sup>2</sup> /s (cSt)	NFT 60100	136
Kinematic viscosity at 100°C	mm <sup>2</sup> /s (cSt)	NFT 60100	24,55
Viscosity index	-	NFT 60136	215
Dynamic viscosity at -30°C	mPa.s	ASTM D 5293	6950
Flash point	°C	NFT 60118	226
Pour point	°C	NFT 60105	-30

*The average values are given for information only.*