

Eni MX 4050

olefin copolymer rubber



Eni MX 4050 is an Olefin Copolymer Rubber (OCP) with low ethylene content, designed for the production of good shear stability non-dispersant Viscosity Index improver (VII).

A non-staining antioxidant is added during production process.

APPLICATIONS

- **Eni MX 4050**, directly via dissolution in suitable base stocks, is recommended to prepare multigrade crankcase engine oils meeting international requirements automotive, marine and industrial lubricants.
- It is characterized by excellent resistance to ageing and weathering and the final diluted VII shows a good thickening power, excellent shear stability and superior low temperature behavior.
- To obtain a VII additive, **Eni MX 4050** should be dissolved at approximately 11% wt in low viscosity base oil, preferably SN 130. The VII additive is then diluted at 10% wt in SN 150 to yield a SSI of about 23 and a Thickening Power between 10.0-10.6 mm²/s.

TECHNICAL DATA

	Method	Unit	Values		Typical
			Min	Max	
Appearance		-			bales (not free flowing pellets)
Viscosity at 100°C	ASTM D 445	mm ² /s			10
Melt Flow Index	MA 17066	g/10'	5.9	10.9	
Low boiling point components	MA 96147	% (m/m)		0.25	
Ash content	MA 93214	% (m/m)		0.45	
Ethylene Content	MA 15882	% (m/m)			52
Shear Stability Index (SSI)		-			24

N.B.: Shear Stability Index for 1.0% **Eni MX 4050** in SN 150

HANDLING INFORMATION

- storage: it is recommended that for long term storage the temperature should be kept between 15°C and 30° C; shelf life is 24 months at ambient temperature and in adequate storage conditions (cool, well ventilated surrounding).
- transport information: the product is classified as not dangerous as far as naval, rail and road transportation is concerned
- safety & regulatory information: please see safety data sheet in <https://msds.eni.com/AthosSDS/>.



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PACKAGING

Bales, 20 kg. wrapped in oil soluble, low melting point, ethylene vinyl acetate copolymer film.
Cardboard box of 25 bales (total 500 kg.) wrapped in polyethylene film (1070 x 1270 x h1050 mm).

PRODUCTION SITE

GREENPLAST
Via Circonvallazione Cavallari
43100 Solferino (MN)
ITALY

