



APPLICATIONS

Eni Betula ESX 100 is an ester based synthetic lubricant for rotating or reciprocating refrigerating compressors used in domestic or industrial applications; particularly recommended for hermetic, semi-hermetic and open-type compressors or heat pump systems where HFC refrigerating fluids are used (R134a, R404a, R407c, R507).

CUSTOMER ADVANTAGES

- Very long draining intervals
- Compressor efficiency ensured by low tendency of lubricant to create carbon deposits
- Prevention of particles solidification inside the expansion circuit thanks to extremely low flocculation and pour points
- Optimal lubrication ensured even in case of broad temperature variations
- Robust protection from wear of all components submitted to friction

SPECIFICATIONS & APPROVALS

- DIN 51503 KD
- ISO 6743/3 DRD
- ISO 6743/3 DRE





CHARACTERISTICS

Properties	Method	Unit of Measure	Typical
Appearance	APM 27	-	clear
Density at 15°C	ASTM D 4052	kg/m ³	950
Viscosity at 40°C	ASTM D 445	mm ² /s	100
Viscosity Index	ASTM D 2270	-	80
Flash point (COC)	ASTM D 92	°C	258
Pour point	ASTM D 97	°C	-36



eni