

Technical Data Sheet

百達精密化學股份有限公司

No. 20, Dong 1 Rd., Changhua Coastal Industrial Park Hsien Hsi
Township, Changhua County, Taiwan,
Zip code 50741
TEL:886-4-758-8688 FAX:886-4-758-8699
<http://www.patechfc.com.tw>



Professional Ester Manufacturing



Cryolant R22-320

Product description

The Cryolant R22-320 is a full synthetic, polyol ester-based refrigeration compressor lubricant. It was custom designed for the R22 HCFC-filled screw compressors with the goal of high efficiency, low maintenance cost and extended mechanical life. The high viscosity and fully miscible characteristics of the Cryolant R22-320 enable both an enhanced seal during the compression and superior heat transfer in the low temperature zone, resulting in excellent performance not achievable by mineral oils or alkylbenzene (AB). This high efficiency is realized when mechanical designs take advantage of the unique property of the Cryolant R22-320.

The advantages of the Cryolant R22-320 include:

- high compressor efficiency
- long bearing life
- excellent lubricity
- thermally and oxidatively stable
- clean operation; no varnish/sludge buildup
- corrosion and rust resistance

Characteristic

Item	Unit	Typical value	Limit	Test method
Color	APHA	150	300 max	ASTM-D1209
Acid Value	mg KOH/g	0.06	0.1 max	ASTM-D974
Water Content	ppm	50	100 max	ASTM-E1064
Kinematic Viscosity	cst@40°C	320	288-352	ASTM-D445
Kinematic Viscosity	cst@100°C	35	32.6-40.0	ASTM-D445
Viscosity Index		155		ASTM-D2270
Flash point C.O.C	°C	285	260 min	ASTM-D92
Pour point	°C	-36	-30 max	ASTM-D97
Low Temp.Miscibility 10% Oil in R22	°C	<-50	-50 max	

The values above are typical values. They do not constitute any contractual commitment.
The present technical data sheet replaces all the previous editions.

CRYOLANT