



## Product Data

# NUCLEOL G110

13/06/2000

### *Radiation Resistant Grease*

#### DESCRIPTION

Castrol Nucleol G110 is a radiation resistant bearing grease

#### APPLICATION

Castrol Nucleol G110 is a radiation resistant bearing grease for general use in ball and roller bearings operating at moderate and high speeds and temperatures up to 150°, where the grease may be exposed to radiation doses of up to 10<sup>9</sup> rads. Nucleol G110 is based upon selected mineral base oils, with an inorganic thickener system giving outstanding thermal and radiation stability.

Nucleol G110 comfortably exceeds the UKAEA Schedule I requirements for radiation resistance and is fully approved for use within nuclear installations.

#### FEATURES

- ◆ Stable at high temperatures
- ◆ Stable at high radiation doses
- ◆ Very low volatility

#### BENEFITS

- ◆ Long life at high temperature
- ◆ Long life at high radiation doses
- ◆ Long life at high temperature



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### TYPICAL PHYSICAL CHARACTERISTICS

Appearance	light brown, soft grease
Worked Penetration	265
Drop Point, °C	Indefinite
Base Oil Viscosity @ 40°C, cSt	105
Thickener Type	Inorganic
Radiation Stability (after 10 <sup>9</sup> rads)	
Penetration Change	+65
Drop Point Change, °C	NIL
Loss by Evaporation (modified ASTM D972)	
After 400 hrs at 130°C with airflow of 1 litre/min	8% loss
After 400 hrs at 150°C with airflow of 1 litre/min	10% Loss

Health and Safety information sheets are available for all Castrol products from the address below:  
**Castrol (U.K.) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone:  
Orders/Enquiries (08459)645111, Technical Enquiries (01793)452111, Fax (01793)491442**

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