

# CELEC 100

POWER CABLE PROTECTIVE PRODUCT



## Specialities

### Description

Repsol offers a carefully selected choice of products (greases) for protection of low-, medium- and high-voltage power cables with the generic name CELEC. The range of products CELEC are complex product mixtures based on mainly oil-derived products (petrolatum) which are modified with different additives that grant them excellent properties of anchorage to metallic surfaces, electrical isolation and metal protection outdoors, even in extreme conditions, which in addition to its high durability, assures a correct protection of the power cables during long periods.

Based in Norm UNE EN 50326, CELEC 100 is a type B grease applied with heating and has the designation 20B105.

### Applications

This grease acts as an electrical insulator, anti-corrosion and anti-wear agent on bare overhead lines conductors made of aluminium, aluminium alloy, steel wires or a combination of these wires (ACSR).

### Technical Characteristics \*

	UNITIES	METHOD	CELEC 100
Melting Point	°C	ASTM D127	100-115
Drop Point	°C	ASTM D566 / ISO 2176	≥ 105
Penetration at 25°C	mm/10	ASTM D937 / ISO2137	50
Viscosity at 120°C	cSt	ASTM D445	≤ 90
Fluency and Separation (50°C, 24h)	-	IEC-811-5-1	Pass
Dielectric constant at 23°C	-	ASTM D-150	≤ 2.3
Volume Resistivity at 23°C	Ohm cm	ASTM D-257	> 1E+14
Aging/Corrosion		EN 50326 (6.12.2)	Pass
Flexibility and folding at -20°C		IT-LAB-141	Pass
Colour	-	ASTM D-1500	L5,5
Acidity index	mg KOH/gr	IT-LAB-185	≤ 1.5
Flash Point O.C.	°C	ASTM D-92	≥ 250

### Presentation

Drums of 180 kg.

\* Unless otherwise stated, the values given in the technical Characteristics should not be considered as specification and are only intended as indicators.

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