

CELEC 1Li

Grease for protection of open-wire power lines (ACSR).



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 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.

CELEC 1Li is a metal grease formulated to meet the UNE EN 50326 type A specification, which defines the characteristics that must be met by protection products for bare conductors of overhead electric lines (ACSR). Taking into account this specification, this grease has the designation -20A125

Applications

CELEC 1Li is designed for cold application (without heating) and acts as an electrical insulator, anti-corrosion and anti-wear agents on bare conductors of overhead electric lines made from strands of aluminum, aluminum alloy, steel, or a combination of these threads (ACSR).

Technical Characteristics *

	UNITS	METHOD	CELEC 1Li
Colour		visual	Brown
Thickening agent			Lithium
Solids additives			Exempted
Worked cone penetration, 25°C	1/10 mm	ASTM D-217 EN 50326 (6.7)	225
Dropping Point	°C	METTLER FP-83HT EN 50326 (6.6.3)	190
Oil separation test (1h/115°C)	%	EN 50326 (6.6) / IP-121	≤ 0,2
Adherence test over aluminum plate (-20°C)		EN 50326 (6.9)	Passed (-30°C)
Corrosion Test/ copper foil (24h/100°C)		ASTM D-4048	1a
Aging and Corrosion Test/ Plates		EN 50326 (6.11.2) (6.12.2)	Passed (10.)

Presentation

Drums of 180 kg.

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

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