

Specialities

Description

The CECA® range from RLESA Especialidades belongs to the group known as petrolatums, PJ or petroleum jelly, which are mineral-based compounds for filling conventional communication cables (JFTC, “Jelly Filled Telephone Cables”).

The compounds in the CECA® range are compatible with the high- and medium-density polyethylenes used to manufacture insulating tubes and covers. They have excellent physical properties that make them suitable for use in cables with any number of pairs. They are characterised by their high melting point, their water-resistant nature and their excellent dielectric properties, which slow down the deterioration of the cable during its service life. They are easily processed and are eliminated using simple physical methods.

The catalogue includes a wide selection of compounds from this range, letting cable manufacturers choose between products with high and medium drop points, depending on whether the zone has a hot or warm climate; products with different degrees of viscosity, suited to the different application processes and high- or low-penetration products, which cover cold-pumping (ambient temperature) and hot-pumping (up to 120 °C) processes.

Technical Characteristics*

	METHOD	CECA 70	CECA 75	CECA 1590	CECA 1190	CECA F-90
Melting point (°C)	ASTM D -127	80-108	95-108	74-78	75 min	90 min
Drop point (°C) min	ASTM D -556	80	95	70	70	85
Viscosity at 120 °C (cSt) max	ASTM D -455	70	65	20	16	30 typical
Penetration at 25 °C (mm/10) min	ASTM-D937	50	50	110	60	85
Dielectric constant at 23 °C	ASTM D -150	2,3 max	2,3 max	2,3 max	2,3 max	2,3 max
Volume resistivity at 23 °C (Ohm cm)	ASTM D -150	1.E+14	1E+13 min	1E+13 min	1E+13 min	1.E+14
Oil separation at 50 °C, 24 h	IEC-811-5-1	Pass	Pass	Pass	Pass	Pass
Injection type	-	Hot	Hot	Moderate temperature	Moderate temperature	Ambient temperature (cold pumping)
Climate	-	Hot	Hot	Warm	Warm	Warm

* The values indicated in the tables are typical values, not product specifications.

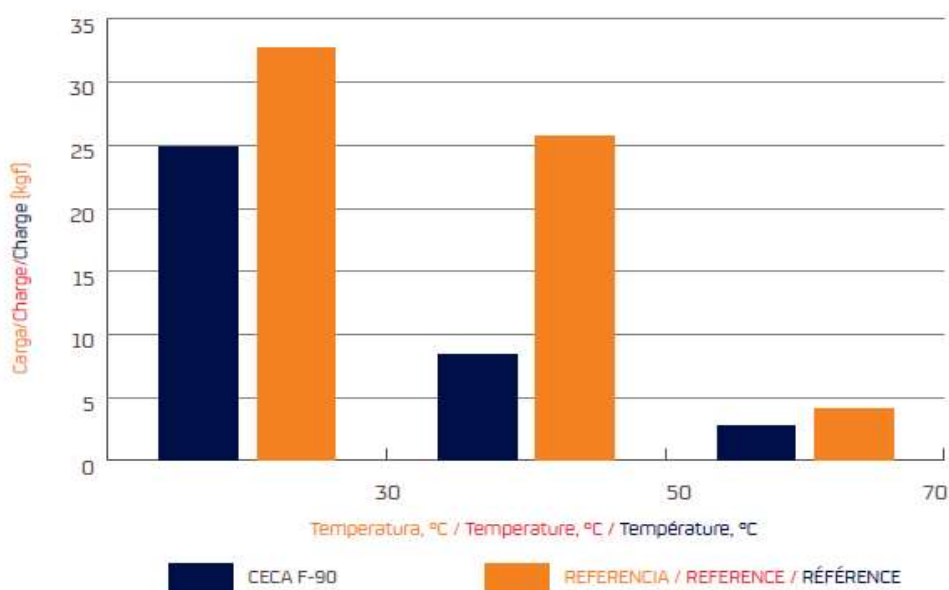
Unless otherwise indicated, the figures cited in the technical specifications should be considered typical

Technical Data Sheet Specialities. Version 4. October 2020.

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Características de inyección en frío de CECA[®] F-90
Cold injection characteristics of CECA[®] F-90
Caractéristiques d'injection à froid de CECA[®] F-90

Test de bombeo/Pumping test/Test de pompage - Instron



Packaging

CECA comes in 230-litre drums with leaf-spring closure.
It should be stored in the dark and hermetically sealed, at a temperature around 25°C and away from moisture.

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