CETRA®, CEVA®, AND CTA®

TRACTION CABLE AND SPECIAL CABLE PROTECTION COMPOUNDS

Specialities

Description

The RLESA Especialidades compounds for special cables and traction cables have been designed to protect and lubricate traction cables in lifts, cable cars and cranes, preventing corrosion and wear of these and other areas of mechanics and engineering. They are designed to provide high performance in the most adverse conditions and are therefore subjected to testing under severely corrosive conditions in climatic chambers, complying with international standards. RLESA Especialidades offers several groups of products that vary based on the origin of the raw materials, formulations and intended use.

The CETRA® and CEVA® ranges are mineral-based petrolatum- or PJ-type (petroleum jelly) compounds that protect cables from corrosion, lubricate their interior and provide a certain degree of plasticity. They are suitably formulated to maintain their flexibility and adhesive qualities at very low temperatures in all kinds of metallic cables.

The CTA® range are products based on asphalt derivatives and thermoplastic polymers, such that they combine the watertight and anti-corrosion properties of asphalt with the plasticity and flexibility of polymers; this also contributes to reducing the friction between the cable and the pulleys. The quality of these compounds ensures that the effect of protecting the cable in adverse climatic conditions lasts a long time.

CETRA® range

	METHOD	CETRA® 65	CETRA® 85-N
Melting point (ºC)	ASTM D -127	62-68	60-68
Viscosity (cSt) at 100 ºc	ASTM D-445	25-30	65
Cone penetration at 25 ºC (dmm)	ASTM-D937	130-160	180
Flashpoint (ºC)	ASTM D-92	260 min	220
Colour	VISUAL	Greenish	Black
FRAAS fragility, (ºC)	IP -80	-32	-22
Flexibility and plasticity at -20 ºC	PT-10-108	Pass	Pass

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

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

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CEVA® range

	METHOD	CEVA® 27
Colour	VISUAL	Brown
Melting point (ºC)	ASTM D -127	56-62
Drop point (ºC)	ASTM D -566	50
Viscosity (cSt) at 100 ºC	ASTM D-445	15-21
Viscosity (cSt) at 120 ºC	ASTM D-445	-
Cone penetration at 25 ºC (dmm)	ASTM-D937	60-80
Cone penetration at -20 ºC (dmm)	ASTM-D937	28
Density at 15 ºC (g/cc)	ASTM D -1298	0,90-0,92
Aniline point (ºC)	ASTM D -611	105 min
Open-cup flashpoint (ºC)	ASTM D-92	260
Specific heat 100 ºC, J/gK		2,2
Plasticity	CM-35	-20 PASA

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

CTA® range

	METHOD	CTA® -68
Colour	VISUAL	Black
Viscosity (cSt) at 150 ºC	ASTM D -455	1000-1600
Ring and ball softening point (ºC)	ASTM D -36	80-90
FRAAS fragility (ºC)	IP -80	-32
Needle penetration at 25 ºC, dmm	ASTM D -5	80-120

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

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