

List of materials allowable for use in pantograph contact strips of motive power units to make contact with the overhead contact lines of PKP Polskie Linie Kolejowe S.A.

| No. | Material symbol | Manufacturer | Restrictions |
|-----|-----------------|---|--|
| 1. | MY7A2 | Morganite Electrical Carbon Ltd. – United Kingdom | without restrictions |
| 2. | P8511 | MERSEN France Amiens S.A.S. – France | without restrictions |
| 3. | SK-162 | Elektrokarbon a.s. – Slovakia | without restrictions |
| 4. | RH 83 M6 | PanTrac GmbH – Germany | without restrictions |
| 5. | SK85ACu | Hoffmann & Co Elektrokohle AG – Austria | without restrictions |
| 6. | SK01Cu | Hoffmann & Co Elektrokohle AG – Austria | material type can be used on PLK network with restriction that during a stay under one-cable network two pantographs have to be raised and switched on |
| 7. | SK85Cu | Hoffmann & Co Elektrokohle AG – Austria | material type can be used on PLK network with restriction that during a stay under one-cable network two pantographs have to be raised and switched on |
| 8. | MY131 | Morganite Electrical Carbon Ltd. – United Kingdom | without restrictions |
| 9. | S4202 | Morganite Electrical Carbon Ltd. – United Kingdom | material type can be used on PLK network with restriction that during a stay under one-cable network two pantographs have to be raised and switched on |
| 10. | P5696 | MERSEN France Amiens S.A.S. – France | without restrictions |
| 11. | SK07Cu | Hoffmann & Co Elektrokohle AG – Austria | without restrictions |
| 12. | RH83M8 | PanTrac GmbH – Germany | without restrictions |
| 13. | RH84M8 | PanTrac GmbH – Germany | without restrictions |

Note:

In case of technological/maintenance journeys for the needs of PKP Polskie Linie Kolejowe S.A. it is recommended to use solutions for removal of ice and frost from overhead line cables at a speed of max. 70 km/h. The solutions involve using sliding pads with additional element with the edge of attack made of metal or other solutions (e.g. ice-removal pads FAN-NL-B3 type made by Fanina-Przemysł).