Cermet Lamella

Maximum performance based on innovative material for top carpet yarn quality
Original Cermet Lamella for constant quality

Your advantages:

Extended lifetime compared to white ceramic lamella.
Innovative materials result in:
- Constant yarn quality also for high alternating temperature loadings over a longer period of time.
- Even texturizing results.
- Process security without lamella cracks or bents also for a continuous operation.

Time and cost savings due to:
- Low maintenance for no time-consuming adjustment of the setting parameters.
- Best price-performance ratio.
- No breaks while at maintenance.

No monoclinic metamorphosis by heat treatment

During manufacturing, carpet yarns prefer faultless surfaces which, however, are not to be found with worn components. High temperatures and aggressive additives affect the lamellas in the BCF production process, and this is finally leading to cracks and deformation if inferior materials are being used. According to independent research institutes, this so-called phase transition occurs almost entirely to ceramic lamellas. It is therefore of major importance to have reliable and constant quality texturizing lamellas – such as the original Oerlikon Neumag Cermet lamella with its especially high resistance to thermal shocks.

Cermet lamellas are cost effective after the first change of steel (front and backside)*

Comparison characteristics
Cermet vs. white ceramic

<table>
<thead>
<tr>
<th>Characteristic</th>
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<th>White Ceramic</th>
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<tbody>
<tr>
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<td>+ 25%</td>
<td></td>
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Better material characteristics proven by independent scientists

Laboratory tests were evidencing a clearly higher impact strength for mechanical loads. You need not worry any more that the suction gun might hit sensitive parts at stringing up because the Oerlikon Neumag original Cermet lamellas have demonstrably a 33% higher bending strength and a 25% better hardness than lamellas made of ceramics. Here also Oerlikon Neumag has invested in a continuous product development in order to ensure its economic success.

Reliable performance for continued BCF production

The maximum lifetime of the Oerlikon Neumag Cermet lamella frees you from frequent adjustments of the setting parameters when your conventional lamellas show signs of wear and adversely affect the yarn quality. Benefit from constant process and yarn quality and trust in reliable long-lasting original parts preventing your yarn from damages by best end product properties.

Best price-performance ratio

Observations and interviews with BCF production responsibilities have proven that the replacement of steel lamellas with cermet lamellas will pay off as well: already after the first change of common steel sets the operation of cermet lamellas has a positive impact on your running costs. Over the years the payback will cumulate and your running expenses will improve (see graph).

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Oerlikon Neumag
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*values in graph are for referential use only