VPsK914 Resin
Ultra-durable performance sealant

Want a more durable package without sacrificing productivity or package feel?

VPsK914 is part of a new class of sealant resins, developed with our Advanced SCLAIRTECH™ Technology, that enables an unbeatable combination of physical properties and processability. Combining the sealing performance of a more costly plastomer blend with exceptional durability, VPsK914 is ideal in demanding product packaging such as crunchy granola and bone-in chicken.

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**Sealability**

Low seal initiation temperature and a broad sealing window enable robust and forgiving packaging operations

- Reliable sealing under a broad range of conditions
  - Low seal and hot tack initiation temperatures
  - Can withstand the impact of demanding filling processes
- Sealability of a plastomer blend with the processability of an LLDPE

**Durability**

Excellent abuse resistance maintains package integrity throughout the supply chain

- Maintains seal integrity on the packaging line and in transit
- More than three times tougher than typical sealant resins
- Stiffer than a typical plastomer blend
- Ideal for heavy and sharp contents

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**Processability**

High melt strength results in excellent bubble stability and up to 20% higher extrusion throughput

- Helps enable improved per line revenue
- Improved productivity may defer capital expense of additional lines

**Optics**

Improved shelf appeal due to eye-catching optical properties

- Ultra-low haze of 4%
- Gloss 45° measurement of 77

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Applications

Is VPsK914 right for you? It’s ideal as the sealant layer for the most demanding co-extruded blown film packaging applications including:

- Frozen, liquid and dry food
- Meat, cheese and poultry
- Stand-up and pillow pouches
- High-speed form fill seal packaging lines
- All VFFS runs including large format, sharp and heavy objects, and cold fill

VPsK914 offers a lower seal onset temperature compared to today’s best performing sealant grades.

Leak testing conducted on air-filled pouches produced on vertical form fill seal

SEAL ONSET PERFORMANCE

<table>
<thead>
<tr>
<th>TEST CONDITIONS</th>
<th>VPsK914</th>
<th>FP120 + 30% Plastomer</th>
<th>FP120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Dwell High Pressure</td>
<td>110°C</td>
<td>110°C</td>
<td>110°C</td>
</tr>
<tr>
<td>Long Dwell Low Pressure</td>
<td>115°C</td>
<td>115°C</td>
<td>115°C</td>
</tr>
<tr>
<td>Short Dwell High Pressure</td>
<td>120°C</td>
<td>120°C</td>
<td>120°C</td>
</tr>
<tr>
<td>Short Dwell Low Pressure</td>
<td>110°C</td>
<td>110°C</td>
<td>110°C</td>
</tr>
</tbody>
</table>

DURABILITY

- **Dart Impact** (g/ml)
  - **1% MD SECANT (MPa)**

- **Haze %**

- **Gloss at 45°**

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