



Info Sheet
Flexible Films

SPsK919 Resin

Exceptional Abuse Resistance for the Most Demanding Applications

Better protection with flexible packaging.

In a new economy built around e-commerce and sustainability, packaging requirements are rapidly changing. This presents new challenges for large-format food and liquid packaging, and heavy-duty sacks like pet food—particularly when combined with the increased number of touchpoints in the supply chain and the shift from rigid to flexible packaging. Meet those challenges with the abuse resistance and toughness of SPsK919. It's one of a new class of resins, developed with our proprietary Advanced SCLAIRTECH™ Technology, that gives you an unbeatable combination of physical properties, sealability, processability and clarity. Answer the demands of the new economy with SPsK919.



Performance

Balanced physical properties
enhance structure design versatility

- Exceptional creep performance helps preserve package form, reducing failures
- Greater abuse resistance and improved balance of stiffness/tear/dart than single site LLDPE
- Low seal initiation temperature and broad hot-tack window enable robust operation of packaging lines



Processability

Excellent productivity on blown film lines
and downstream converting equipment

- Ideal for both mono and multilayer structures
- Increased output due to optimized resin architecture
- Enables LDPE blend reduction due to enhanced bubble stability and melt strength.



E-commerce

Optimal product protection
for greater consumer confidence

- Toughness and package strength help preserve package integrity in a demanding supply chain.
- Flex crack resistance helps withstand the rigors of rough transport
- Protects products in mixed shipments as well as those designed for "ships in own container" (SIOC) standards



Sustainability

Performance properties to help
enable the circular economy

- Downgauge to reduce overall material usage while maintaining package rigidity
- Excellent property retention improves film recyclability
- Can replace multi-wall sacks and other non-recyclable packaging formats

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Applications

SPsK919 is ideal for a wide range of packaging applications that require exceptional stiffness/toughness balance and creep resistance, including:

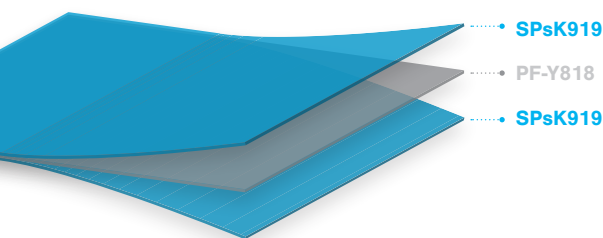
- Pet food
- Lawn & garden
- Frozen food
- Sidewalk & pool salts
- Bone-in poultry
- Liquid packaging
- Replacement for multi-wall sacks.



Durability | Skin layers

Application: Frozen foods

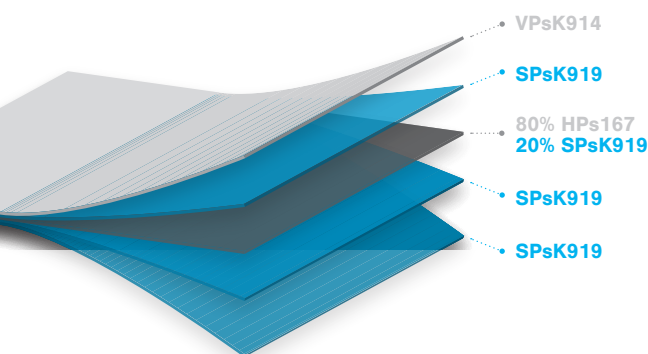
Toughness and tear performance protect food throughout the supply chain



Material Savings | Interior layers

Application: Poultry

Reduce overall material usage while maintaining package rigidity

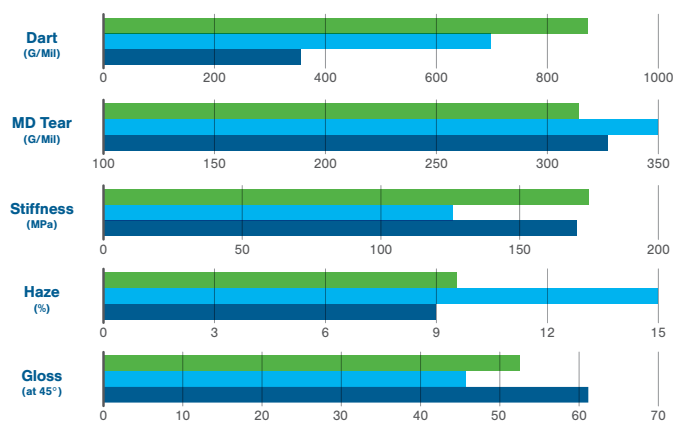


Available with or without antiblock additive packages.

PHYSICAL PROPERTIES

SPsK919 | FPs016 | FP120

Performance based on a 1Mil thick film
Comparison grades are NOVA Chemicals' offerings



DROP TEST PERFORMANCE

We subjected 25 kg resin bags made from a downgauged 5 mil co-extruded structure of SPsK919/FP026/SPsK919 to a series of 5-foot drop tests:



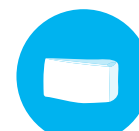
STANDING

5 × 3
BAGS DROPS



FLAT

5 × 3
BAGS DROPS



SIDE

5 × 3
BAGS DROPS

100%

of bags maintained package integrity.
Heavy duty sacks produced with SPsK919 will withstand the challenges and abuse of the modern supply chain.