

**DOW**

®

# PARALOID™ K-185 ER

## Polymeric Lubricant

### Innovative solution for outstanding processability of vinyl formulations

As PVC manufacturers are constantly facing new and exciting development opportunities, they need to adapt and develop more complex products. At the same time, cost efficiency is a concern for every manufacturer.

PARALOID™ K-185 ER, a low molecular weight acrylic polymer, can be used as a highly efficient external lubricant in PVC based formulations. PARALOID™ K-185 ER facilitates excellent processability at high temperatures by preventing the melt from sticking to the hot metal surfaces of equipment without generating plate-out. Used in combination with PARALOID™ acrylic processing aids with high molecular weights, PARALOID™ K-185 ER contributes greatly to excellent melt homogeneity.

PARALOID™ K-185 ER, is a good solution for PVC manufacturers who need an extended processing window to deliver highly technical products whilst maintaining a good surface finish.

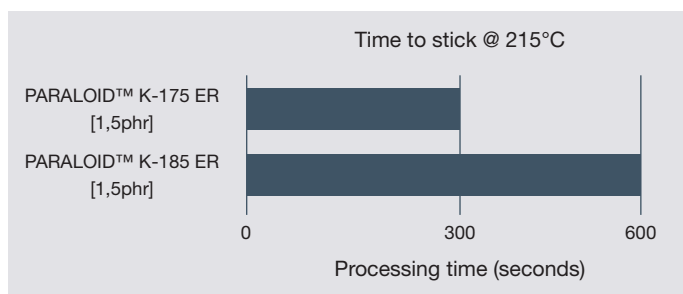
#### PVC based formulations with better cost performance ratios

Up to 30% more efficient

Hot-metal release performance during processing @ 190°C		
	0 seconds	900 seconds
PARALOID™ K-175 ER [0,6phr]	✓	✓
PARALOID™ K-185 ER [0,4phr]	✓	✓

#### Facilitated processing of PVC based formulations at high temperatures

Up to twice as effective



#### Wide range of PVC film and sheet applications

	Rigid	Flexible	Opaque	Transparent
Calendering	✓	✓	✓	✓
Extrusion	✓	✓	✓	✓

#### Benefits

- Outstanding hot-metal release performance during processing of PVC formulations
- Excellent hot metal release performance at lower dosage
- Extended processing window at higher temperatures
- Excellent thermal stability of PVC formulations during processing
- Very good surface finish of end products
- Very good optical properties of films and sheets
- Improved productivity of free foam sheets

Selection of the appropriate PARALOID™ Additive is key to meeting performance challenges demanded by the market. To select the best product for your application, contact your local representative or visit us on [dow.com](http://dow.com).

## About Dow

Dow (NYSE: DOW) combines one of the broadest technology sets in the industry with asset integration, focused innovation and global scale to achieve profitable growth and become the most innovative, customer centric, inclusive and sustainable materials science company. Dow's portfolio of performance materials, industrial intermediates and plastics businesses delivers a broad range of differentiated science-based products and solutions for our customers in high-growth segments, such as packaging, infrastructure and consumer care. Dow operates 113 manufacturing sites in 31 countries and employs approximately 37,000 people. Dow delivered pro forma sales of approximately \$50 billion in 2018. References to Dow or the Company mean Dow Inc. and its subsidiaries. For more information, please visit [www.dow.com](http://www.dow.com) or follow [@DowNewsroom](https://twitter.com/DowNewsroom) on Twitter.

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[dow.com](http://dow.com)

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