# OxyVinyls® 450F

Polyvinyl Chloride Homopolymer

OxyVinyls, LP

## Message:

OxyVinyls® 450F is a Polyvinyl Chloride Homopolymer (PVC Homopolymer) product. It can be processed by film extrusion, injection molding, profile extrusion, or sheet extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of OxyVinyls® 450F include film, sheet and wire & cable.
Characteristics include:
Clarity
Good Flexibility
High Purity
Homopolymer

| General Information | |
|---|---|
| Features | Clean/High Purity |
| | Good Colorability |
| | Good Flexibility |
| | High Clarity |
| | Homopolymer |
| | Low Gel |
| Uses | Film |
| | Profiles |
| | Sheet |
| | Wire & Cable Applications |
| Appearance | White |
| Forms | Powder |
| Processing Method | Film Extrusion |
| | Injection Molding |
| | Profile Extrusion |
| | Sheet Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Apparent Density | 0.48 to 0.57 | g/cm³ | Internal Method |
| K-Value | 66.0 to 67.0 | | |
| Color - CIELab b*-value | 0.30 to 0.90 | | Internal Method |
| Contamination | < 12 | number/kg | Internal Method |
| Gel Content - 4’ mill results | < 10.0 | | Internal Method |
| Inherent Viscosity | 0.93 to 0.97 | dl/g | Internal Method |
| Particle Size | | | Malvern |
| % Retained on Pan | < 3.00 | % | |

| | | | |
|---|---|---|---|
| % Retained on 200 mesh | < 16.0 | % | |
| % Retained on 40 mesh | < 0.200 | % | |
| % Retained on 60 mesh | < 3.00 | % | |
| Relative Viscosity | 2.20 to 2.28 | | |
| CAS Number | 9002-86-2 | | |
| Flow Time | < 12.0 | sec | Internal Method |
| Porosity | 0.300 to 0.360 | $cm^3/g$ | Internal Method |
| Powder Mix Time | 3.2 to 5.3 | min | Internal Method |
| Residual Monomer | < 1 | ppm | Internal Method |
| Volatiles | < 0.30 | % | Internal Method |



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

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