

# ProTherm® 4305

Chlorinated Polyvinyl Chloride

Axiall Corporation

## Message:

Georgia Gulf ProTherm® 4305 CPVC is a CPVC powder formulation designed for the processing of pipe products IPS Schedule 40/80 with an O.D. range of 1/2" to 10 inches.

Georgia Gulf ProTherm® 4305 CPVC is well suited for industrial grade systems where excellent chemical resistance is combined with excellent heat distortion properties and low flame and smoke generation.

| General Information                                     |                          |                   |             |
|---|--------------------------|-------------------|-------------|
| Features  | Low smoke                |                   |             |
|   | Good chemical resistance |                   |             |
| Uses  | Industrial application   |                   |             |
|   | Piping system            |                   |             |
| Agency Ratings  | NSF 14                   |                   |             |
|   | NSF 61                   |                   |             |
| Forms   | Powder                   |                   |             |
| Physical  | Nominal Value            | Unit              | Test Method |
| Specific Gravity  | 1.47 - 1.51              | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                | 0.50 - 0.70              | %                 | ASTM D955   |
| PVC Cell Classification                                 | 23447                    |                   | ASTM D1784  |
| Mechanical  | Nominal Value            | Unit              | Test Method |
| Tensile Modulus   | 2690                     | MPa               | ASTM D638   |
| Tensile Strength (Yield)                                | 51.7                     | MPa               | ASTM D638   |
| Impact  | Nominal Value            | Unit              | Test Method |
| Notched Izod Impact (3.18 mm)                           | 140                      | J/m               | ASTM D256   |
| Thermal   | Nominal Value            | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 108                      | °C                | ASTM D648   |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

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

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

