

# Toraypef® 25020 AP1F

Polyolefin

Toray Resin Company

## Message:

Toraypef® 25020 AP1F is a Polyolefin product. It can be processed by foam processing or vacuum casting and is available in Asia Pacific, Europe, or North America. Typical application: Foam.

| General Information |                 |  |
|---------------------|-----------------|--|
| Uses                | Foam            |  |
| Forms               | Pellets         |  |
| Processing Method   | Foam Processing |  |
|                     | Vacuum Casting  |  |

| Physical                      | Nominal Value | Unit              |
|-------------------------------|---------------|-------------------|
| Specific Gravity <sup>1</sup> | 0.0400        | g/cm <sup>3</sup> |
| Shrinkage <sup>2</sup>        |               |                   |
| MD : 120°C                    | -1.8          | %                 |
| TD : 120°C                    | -1.0          | %                 |
| Thickness                     | 2.00          | mm                |
| Compressive Hardness - 25%    | 0.0790        | MPa               |
| Elongation                    |               |                   |
| MD                            | 250           | %                 |
| TD                            | 200           | %                 |
| Gel Fraction                  | 40            | %                 |
| Thermoforming Ratio - H/D     | 0.690         |                   |

| Elastomers          | Nominal Value | Unit |
|---------------------|---------------|------|
| Tensile Strength    |               |      |
| Across Flow : Yield | 0.610         | MPa  |
| Flow : Yield        | 0.921         | MPa  |
| Tear Strength       |               |      |
| Across Flow         | 5.90          | kN/m |
| Flow                | 4.00          | kN/m |

| NOTE |        |  |
|------|--------|--|
| 1.   | Foamed |  |
| 2.   | 60 min |  |

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# 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

