

## Eastman Eastapak 9921W PET (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

### Material Notes:

Unreinforced. ISO data as provided by the manufacturer, Eastman Chemical. This product is discontinued; 2003.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-Eastapak-9921W-PET-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-Eastapak-9921W-PET-nbspdiscontinued-.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.33 g/cc | 0.0480 lb/in <sup>3</sup> |          |

| Mechanical Properties   | Metric                  | English                    | Comments  |
|-------------------------|-------------------------|----------------------------|-----------|
| Tensile Strength, Yield | 56.0 MPa                | 8120 psi                   | 50 mm/min |
| Elongation at Break     | >= 50 %                 | >= 50 %                    |           |
| Elongation at Yield     | 3.8 %                   | 3.8 %                      |           |
| Tensile Modulus         | 2.61 GPa                | 379 ksi                    | 1 mm/min  |
| Charpy Impact Unnotched | NB                      | NB                         |           |
|                         | NB                      | NB                         |           |
|                         | @Temperature -30.0 °C   | @Temperature -22.0 °F      |           |
| Charpy Impact, Notched  | 0.380 J/cm <sup>2</sup> | 1.81 ft-lb/in <sup>2</sup> |           |
|                         | 0.310 J/cm <sup>2</sup> | 1.48 ft-lb/in <sup>2</sup> |           |
|                         | @Temperature -30.0 °C   | @Temperature -22.0 °F      |           |

| Thermal Properties                          | Metric               | English              | Comments |
|---|----------------------|----------------------|----------|
| CTE, linear, Parallel to Flow               | 92.0 μm/m-°C         | 51.1 μin/in-°F       |          |
|   | @Temperature 20.0 °C | @Temperature 68.0 °F |          |
| CTE, linear, Transverse to Flow             | 59.0 μm/m-°C         | 32.8 μin/in-°F       |          |
|   | @Temperature 20.0 °C | @Temperature 68.0 °F |          |
| Melting Point                               | 248 °C               | 478 °F               |          |
| Deflection Temperature at 0.46 MPa (66 psi) | 69.0 °C              | 156 °F               |          |
| Deflection Temperature at 1.8 MPa (264 psi) | 64.0 °C              | 147 °F               |          |
| Vicat Softening Point                       | 76.0 °C              | 169 °F               |          |

| Class Transition Temp, Tg<br>Thermal Properties | 78.0 °C<br>Metric | 172 °F<br>English | Comments |
|---|-------------------|-------------------|----------|
| Processing Properties                           | Metric            | English           | Comments |
| Melt Temperature                                | 270 - 290 °C      | 518 - 554 °F      |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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