

# VICTREX® HT™ P22

Polyether Ketone

Victrex plc

Message:

High performance thermoplastic material, unreinforced PolyEtherKetone (PEK), semi crystalline, coarse powder for extrusion compounding, easy flow, FDA food contact compliant, colour natural.

| General Information                   |                                      |       |             |
|---------------------------------------|--------------------------------------|-------|-------------|
| Features                              | Food Contact Acceptable              |       |             |
|                                       | Good Flow                            |       |             |
|                                       | Semi Crystalline                     |       |             |
| Agency Ratings                        | FDA Food Contact, Unspecified Rating |       |             |
| Appearance                            | Natural Color                        |       |             |
| Forms                                 | Powder                               |       |             |
| Processing Method                     | Compounding Extrusion                |       |             |
| Physical                              | Nominal Value                        | Unit  | Test Method |
| Density <sup>1</sup>                  | 1.30                                 | g/cm³ | ISO 1183    |
| Mechanical                            | Nominal Value                        | Unit  | Test Method |
| Tensile Modulus (23°C)                | 3500                                 | MPa   | ISO 527-2   |
| Tensile Stress (Yield, 23°C)          | 100                                  | MPa   | ISO 527-2   |
| Tensile Strain (Break, 23°C)          | 10                                   | %     | ISO 527-2   |
| Flexural Modulus                      | 4000                                 | MPa   | ISO 178     |
| Flexural Stress                       | 180                                  | MPa   | ISO 178     |
| Impact                                | Nominal Value                        | Unit  | Test Method |
| Notched Izod Impact Strength (23°C)   | 4.5                                  | kJ/m² | ISO 180/A   |
| Unnotched Izod Impact Strength (23°C) | No Break                             |       | ISO 180     |
| Thermal                               | Nominal Value                        | Unit  | Test Method |
| Glass Transition Temperature          | 152                                  | °C    | ISO 11357-2 |
| Melting Temperature                   | 373                                  | °C    | ISO 11357-3 |
| Fill Analysis                         | Nominal Value                        | Unit  | Test Method |
| Melt Viscosity (400°C)                | 190                                  | Pa·s  | ISO 11443   |
| NOTE                                  |                                      |       |             |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

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

