

NAME: 1922T**1) Product Description:** LDEP 1922T Injection molding**2) Application:**

- It is used for applications that require a good balance between flow properties and mechanical properties e.g. toys, household articles, clamping lids.

3) Typical data. (Table)

| Property | Unit | Typical Value | Test Method |
|---------------------------|-------------------|---------------|--------------|
| Physical | | | |
| MFI at 190 °c & 2.16 kg | Dg/min | 22 | ISO 1133 |
| Density | kg/m ³ | 919 | ISO 1183 (A) |
| Thermal | | | |
| Vicat Softening Temp. | °c | 82 | ISO 306 |
| Heat Deflection Temp. | °c | 39 | ISO 75 |
| Melting Temp. | °c | 105 | DIN 53765 |
| Mechanical | | | |
| Tensile Strength@ yield | MPa | 8 | ISO 527/2 |
| Tensile Strength@Break | MPa | 7 | ISO 527/2 |
| Elongation@ break | % | 400 | |
| Hardness Shore D | - | 45 | ISO 868 |
| ESCR | h | 3 | DSM Method |
| Tensile Modulus | Mpa | 175 | ISO 527/2 |
| Creep Modulus after 1h | Mpa | 80 | ISO 899 |
| Ball indentation hardness | Mpa | 16 | ISO 2039-1 |
| Izod Impact Notched | kJ/m ² | 42 | ISO 180/A |
| Formulation | | | |
| Anti oxidant | ppm | 600±60 | DSM METHOD |
| Anti block | ppm | - | |
| slip | ppm | - | |