# Tangram Technology
## Periodic Table of Thermoplastics

### Key to Major Polymer Families:
- **Amorphous**
- **Semicrystalline**

### Commodity
- **Random molecular orientation in both molten and solid phases.**

### Engineering
- **Increasing crystallinity**

### Performance

<table>
<thead>
<tr>
<th>Commodity</th>
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### Properties Explained:
- **TS**: Tensile Strength at Yield @ 23°C
- **EAB**: Elongation at Break
- **TM**: Tensile Modulus @ 23°C
- **HDT**: Heat Deflection Temperature @ 1.8 MPa
- **LTST**: Long Term Service Temperature
- **Cost**: Relative Cost

### Materials Included:
- Polyethylene (PE)
- Polypropylene (PP)
- Polyamide (PA)
- Polystyrene (PS)
- Polycarbonate (PC)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Fluoride (PVDF)
- Polyetheretherketone (PEEK)
- Polyetherimide (PEI)
- Polyetheretherketone (PEEK)

### Additional Notes:
- All properties are for the natural injection moulding grade unless otherwise stated.
- This table only includes the most common polymers.
- Key to major polymer families and orientation in both chlorotrifluoroethylene and polyethylene terephthalate (PET).