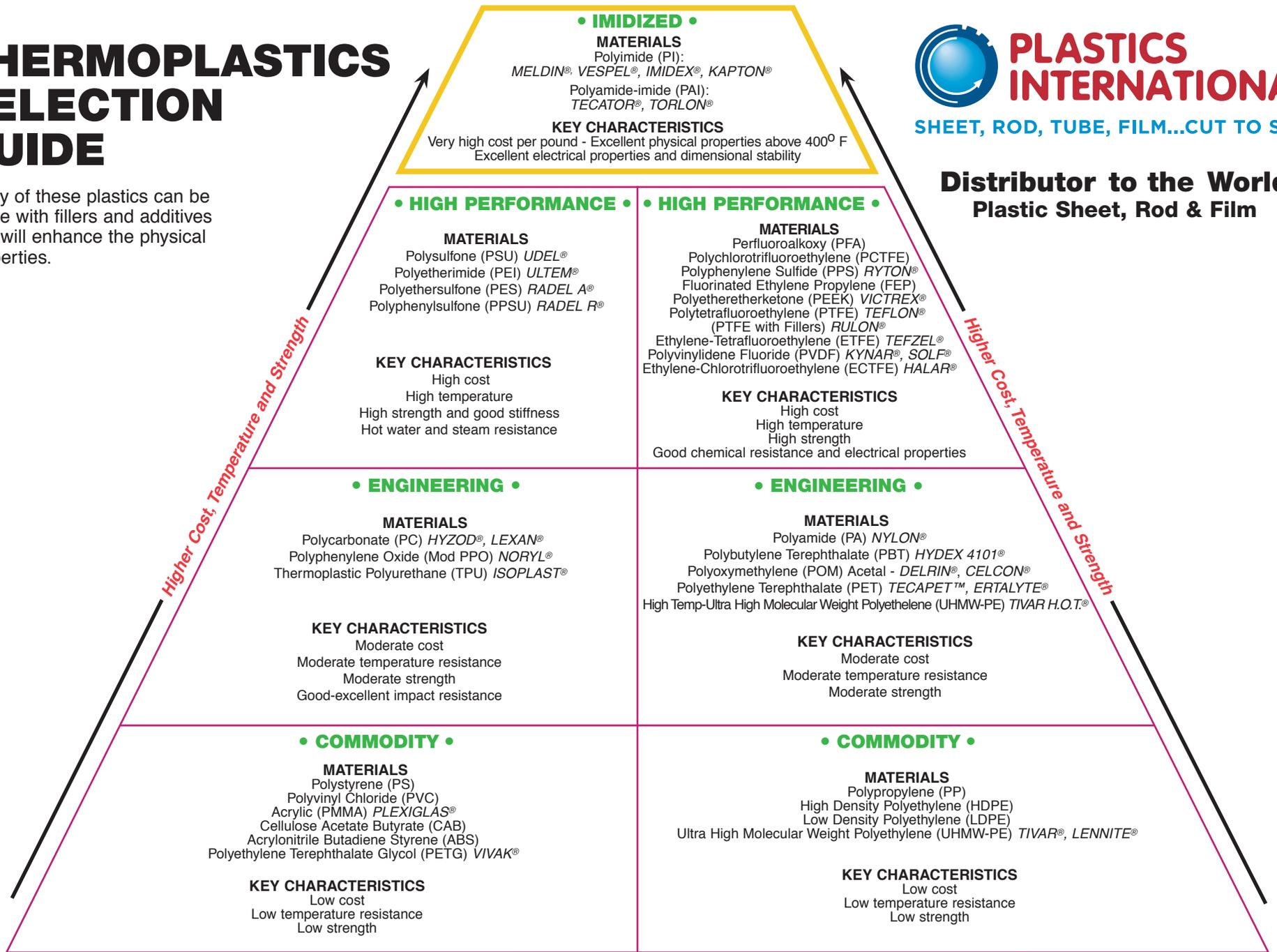


# THERMOPLASTICS SELECTION GUIDE

\*Many of these plastics can be made with fillers and additives that will enhance the physical properties.

**Distributor to the World**  
Plastic Sheet, Rod & Film



**• AMORPHOUS PLASTICS •**  
GENERAL CHARACTERISTICS

**STRUCTURAL APPLICATIONS ONLY (NOT SUITABLE FOR BEARING AND WEAR)**

- Soften over a broad range of temperature
- Easy to thermoform
- Tend to be translucent or transparent
- Bond well using adhesives and solvents
- Prone to stress cracking
- Poor fatigue resistance
- Poor chemical resistance

**• SEMI-CRYSTALLINE PLASTICS •**  
GENERAL CHARACTERISTICS

**GOOD FOR BEARING AND WEAR AS WELL AS STRUCTURAL APPLICATIONS**

- Sharp melting point
- Difficult to thermoform
- Tend to be opaque
- Difficult to bond using adhesives and solvents
- Good resistance to stress cracking
- Good fatigue resistance
- Good chemical resistance
- Low coefficient of friction