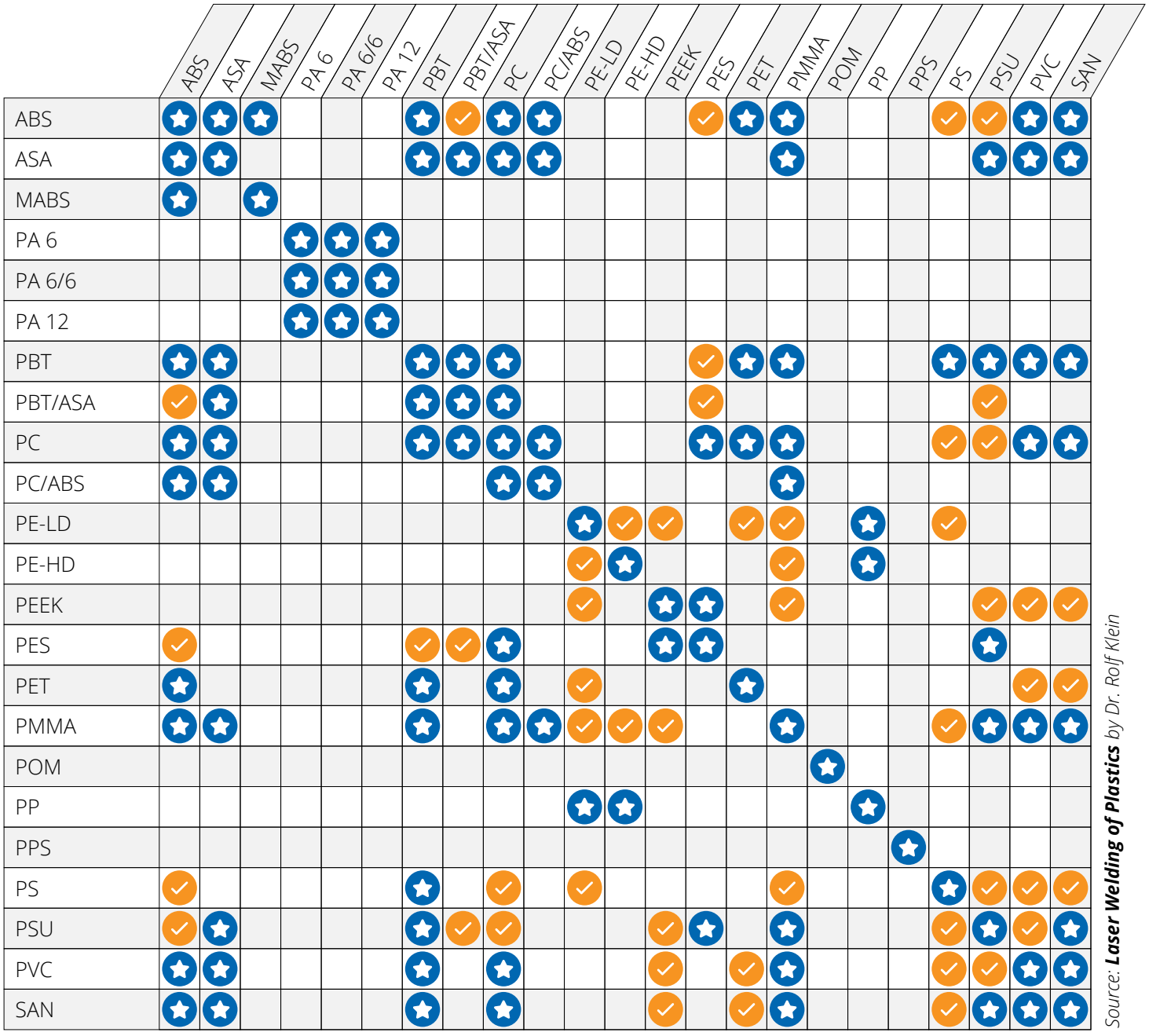
LASER PLASTIC WELDING MATERIAL COMPATIBILITY CHART

Laser plastic welding uses a precise infrared laser beam that is transmitted through a transmissive material and absorbed by an absorptive material. The two materials are held in tight contact with each other and the joint between them heats up and melts as energy from the laser is absorbed. The result is a clean weld with minimal flash. The chart below shows which materials are known to be compatible with each other. Please note: weld compatibility depends on the absorption and transmissivity of the materials.



Source: ***Laser Welding of Plastics*** *by Dr. Rolf Klein*

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