

## MACH Tower Packing

### Plastic Saddles

#### Overview:

- It has corrugated edges
- Small openings on its arc shaped surface
- Openings increase the free passage of the fluid
- Enlarges voids among the random packing and improves the gas-liquid distribution compared to Plastic Intalox saddles



Materials available: PP, PE, PVC, CPVC, PVDF  
(Kynar®), PFA (Teflon®)

Nominal Size (in)	1 (25 mm)	2 (50 mm)	3 (76 mm)
Void fraction (%)	91	94	95
Geometric Surface Area (ft <sup>2</sup> /ft <sup>3</sup> )	60	30	20
Weight-PP(lb/ft <sup>3</sup> )	4.7	3.3	2.8
Packing Factor(1/ft)	33	21	16

#### Benefits

- Higher capacity and lower pressure drop than Intalox saddles.
- Higher strength and better mass transfer performance than Raschig ring

#### Applications

- Desulfurization and decarbonization
- Various drying, scrubbing and stripping towers
- Absorption, extraction and heat transfer
- Sulphuric acid production