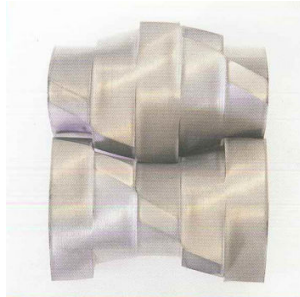


TKD Special Mixing Element

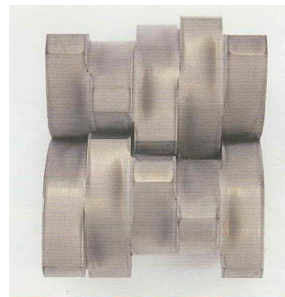
Patent# 3768210

TKD:

JSW has developed a special mixing screw element “TKD” (Twisted Kneading Disc) with twisted flight tips compared to conventional straight tip mixing screw elements.



Twisted Kneading Disc

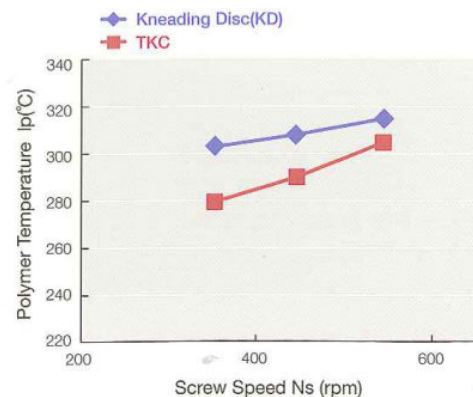
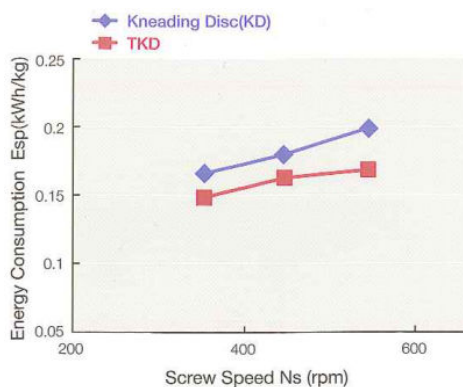


Kneading Disc

Features of TKD:

1. TKD provides lower local pressure at screw flight tip and achieves improved dispersive mixing and reduced screw wear.
2. Forward staggered discs improve material conveying capacity.
3. Lower local heat at screw flight tip and improved conveying ability extrusion at lower temperature.

Experiment:



JSW TKD “Twist Kneading Disk” provides energy consumption and polymer temperature that is about 10% lower than to conventional mixing screw elements.

For more information ;

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