

POM | KEPITAL | Special impact-modified grades

Features

- New impact-modified grade
TE-22S, TE-23S
- Improved weld & low temperature characteristics
TE-22R, FU2020R
- Super-toughness grade
ST-30, ST-50, ST-70
- Ultra-high flow grade
TE-33A, TE-44

Applications



Conveyor chain



Clips

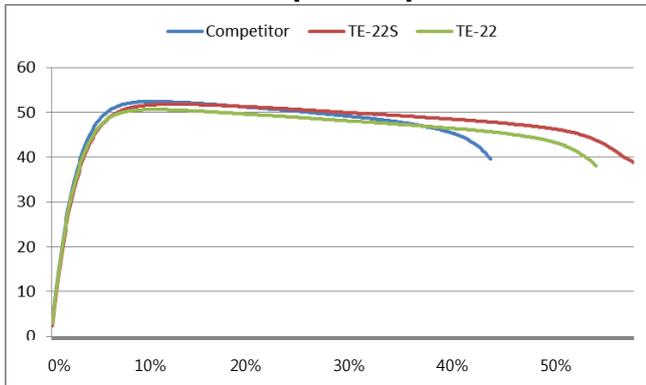


Cable tie

Special

New impact-modified grade (TE-22S, TE-23S)

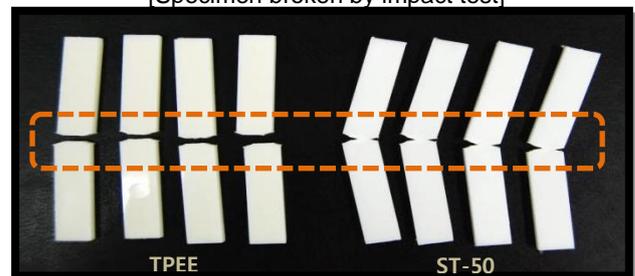
TE-22S & TE-23S have mechanical properties balanced between toughness and impact strength. Impact-modified grades typically have poor weld-line strength; however these grades are 10% stronger than our competitors' products. [S-S curve]



Super-toughness grade (ST-30, ST-50, ST-70)

ST grade can cover rubber weakness by improving POM and TPU compatibility, the result of which is outstanding impact strength and toughness.

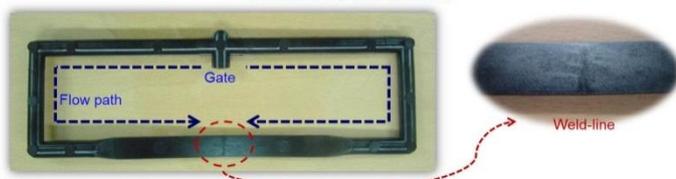
[Specimen broken by impact test]



Improved weld & low temperature characteristics (TE-22R, FU2020R)

Impact-modified grade exhibits poor weld-line and low temperature features. TE-22R & FU2020R overcome and even improve upon this weakness.

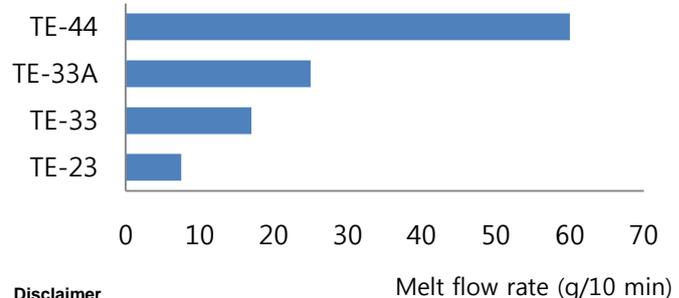
Forced weld-line creation



Item	Unit	TE-22	TE-22R
Tensile strength	MPa	41	49
Elongation at yield	%	3.5	49.0
Broken position		At weld	Except weld

Ultra-high flow grade (TE-33A, TE-44)

These grades exhibit the best flowability among KEPITAL impact grades and are suitable for multi-cavities, thin parts, and cable ties.



Disclaimer

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