CELSIZE PVC
Grafted Starch

Celsize PVC is a sort of high technology grafted starch specializing in T/C size. It has very good adhesion for polyester fiber blended yarn, which can fully replace or partially replace PVA size.

General specification

Moisture /%	≤ 14
Appearance	white or pale yellow granule or powder
Viscosity /mpa.s	
/mpa.s （6%,95℃,1h）	10 – 12 mpa.s
Viscosity stability /%	≥85 (6%,95℃,3h)
Ph index	7.5±1

Characteristics

- Using the latest technology, it has better sizing performance and effect in polyester fiber blended yarn than other sizes, especially suitable for this kind of warp sizing with low warp-ending breakage and high efficiency.

- The film is with excellent flexibility and excellent adhesion of polyester fiber, it overcomes the poor adhesion defects of other sizes to size on yarn with polyester blended.it can significantly improve the physical and mechanical properties of starch size film, significantly increase the elongation and the buckling resistance of size. (see below sheet 1 and sheet 2)

Sheet 1:
Comparison of adhesion to polyester blended yarn of some sizes

Sizes	T/C（breaking force /N）
Celsize PVC	92
PVA1799	89
High-grade starch size	65
Normal modified starch	37

Mfg By : C & D International Chemicals.
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Sheet 2:
Comparison of breaking elongation ratio of several starch size films

Celsize PVC	High-grade starch size	Normal modified starch
15-20 times	4-5 times	1 time

- Full PVA size replacement, much smaller resistance of yarn dry dividing, reduction of over 30% secondary hairiness.
- Good solubility performance of film, easy to fully de-size. BOD/COD ＞0.3, which comply with environmental requirements.
- In solid granule or powder appearance, easy to transport and use.

Package and Storage

- Packed in a multilayer paper bag, and storage in a dry and ventilated condition.

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