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TABRIZ PETROCHEMICAL COMPANY

## EXPANDABLE POLYSTYRENE EPS 522FC

FC522, a TPC Performance EPS grade, offers fast-cycling, waterproof, low-density foam ( $25 \text{ kg/m}^3$ ) for high-density blocks and thin-wall shape molding ( $<6 \text{ mm}$ ), ideal for high-strength, quality packaging. Non-fire retardant.

Producer	Characteristic Properties	Applications
TABRIZ	FC522 is specially fast cycling and water proof formulated to achieve low density foam without lumps during pre-expansion. This grade is not fire retardant.	High-Precision Shape Molding High-Density Block Production Specialized Packaging Systems

### Typical Properties

Resin Properties	Unit	Typical	Test Method
BEAD SIZE	mm	(0.3-0.5)( $>90\% \text{ wt}$ )	SUNPOR 7.2.5
K-VALUE	-	55	SUNPOR 7.2.4
PENTANE CONTENT	wt%	5.2%	SUNPOR 7.2.2
EXPANDED DENSITY	KG/M3	22-30	SUNPOR 7.2.6
RESIDUAL MONOMER	PPM	500	SUNPOR 7.2.1