

	TYPICAL DATA SHEET*	ISSUE DATE	23/Jan/2022
	EXPANDABLE POLYSTYRENE (EPS)	WWW.TPCO.IR	
	526WP	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

526WP is one of the TPC Performance expandable polystyrene products range. It is a free flowing expandable polystyrene grade, consisting of spherical polystyrene beads containing pentane as the expansion agent. Expandable polystyrene (EPS) is normally expanded to achieve the low densities required for final step expansion. The typical density of this grade before expansion is around 600 kg/m³ and after final expansion is 20 kg/m³, but other densities are possible depending on applications and equipments

.Applications: Shape Molding, Cups. Because of its small bead size, 526WP is also used for very thin-wall water proof shape molding products such as drinking cups.

Packaging and storage: 526WP is shipped in jumbo bag or octabins (height 158 cm) on wooden pallets (115cm x 115 cm), containing 1000 kg net of material. The octabins are not weather or water-proof and must therefore not be exposed to outdoor conditions. In order to obtain the desired properties of 526WP, the raw material should be stored below 20 °C and be processed within 1 month.

Processing: Pre expansion with discontinuously operating, state-of-the-art pre expanders 526WP can be pre expanded to densities of approx.25 kg/m³. Lower densities can be achieved by double pre expansion or in optimized machines. 526WP has been treated with an antistatic agent to prevent a buildup of electro-static charge during transport.

Intermediate aging: Intermediate aging should be between 10 and 48 hours.

Moulding: 526WP can be processed in industry standard molding machines within a relatively wide range of steaming settings. If a regenerative agent is added care has to be taken that the density of the regenerative agent equals the pre expansion density as closely as possible to prevent segregation during production.

Food Contact: This grade has food contact approval.

Typical Properties			
PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
BEAD SIZE	MM	SUNPOR 7.2.5 (MIN 90% BY WT)	(0.3-0.5)(>90%wt)
K-VALUE	—	SUNPOR 7.2.4	55
PENTANE CONTENT	WT%	SUNPOR 7.2.2	5.2%
EXPANDED DENSITY	KG/M3	SUNPOR 7.2.6	20
RESIDUAL MONOMER	PPM	SUNPOR 7.2.1	Less than 1000

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)