



# TABRIZ PETROCHEMICAL COMPANY

## Polymer Products Typical Specifications & Applications

### General Purpose Polystyrene (GPPS)

Type	Grade	( MFI ) ( gr / 10min ) ( 200°C / 5 kg )	Vicat Softening Point 50°C/hr (1kg)	Typical Application
GPPS	1540	11	91	Disposable Cups & Food Containers, Pen Bodies
GPPS	1160	2.5	104	Foamed Sheet for Thermoforming , Shower cabinets
GPPS	1460	6	103	Extrusion , Foamed Sheet for Tray

### High Impact Polystyrene (HIPS)

Type	Grade	( MFI ) ( gr / 10min ) ( 5 kg )	Vicat Softening Point 50°C/hr (1kg)	( IZOD ) ( kj / m2 )	Typical Application
HIPS	7240	4.5	97	10	Dairy Sheet, Packaging Containers, Egg Boxes
HIPS	8350	4.5	96	11	Fridge Doors and Cabinet Liners

### Expandable Polystyrene (EPS)

Product Name	K-Value	Bead Size (mm)	Pentane Content wt %	Typical Application
HS 121*	55	1.8 - 2.5	5.2	Low Density Block
HS 221*	55	1 - 1.8	5.2	Medium Density Block
HS 321*	55	0.7 - 1	5.2	High Density Block, Shaped Packaging
FC 422*	55	0.5 - 0.7	5.2	Shape Molding, High Density Block
FC 522*	55	0.3 - 0.5	5.2	Shape Molding, High Density Block
WP 526*	55	0.3 - 0.5	5.2	Thin- Walled Water Proof Shape Molding, Cup (food contact)

\* These products are not Fire-Retardant,  
so not suitable for building applications

### Acrylonitrile - Butadiene - Styrene (ABS)

Product Name	( MFI ) ( gr / 10min ) ( 200°C / kg )	Vicat Softening Point 50°C/hr (1kg)	( IZOD ) ( Kgf.Cm / Cm )	Typical Application
SD0150	1.7	99	22	General Injection, Home Appliances Casing
SV0157	0.5	100.5	31	Extrusion, Refrigerator Liners
HR2320	1.2	103	20	Automotive Parts, Heat Resistant Home Appliances
HR2340	1	112	40	Automotive Parts, Heat Resistant Home Appliances