



SHOBEIR SHIMI  
WWW.SHOBEIRSHIMI.COM  
info@shobeirshimi.com

TAKHT JAMSHID PARS ASALUYEH PETROCHEMICAL COMPANY

## GENERAL PURPOSE POLYSTYRENE - GPPS G1461

GPPS G1461 is a general-purpose polystyrene grade supplied by TAKHTE JAMSHID PARS ASSALOUYEH Petrochemical. It offers high transparency, rigidity, gloss, and easy processing, making it suitable for injection molding and extrusion. Typical applications include transparent packaging, household and sanitary products, office and stationery items, and toys.

| Producer                    | Applications                                                                                                   |
|-----------------------------|----------------------------------------------------------------------------------------------------------------|
| TAKHT JAMSHID PARS ASALUYEH | Extrusion and thick-walled injection molding Or PS Foam, Office Stationary, Thick walled food containers, etc. |

| Typical Properties                          |                    |                     |             |
|---------------------------------------------|--------------------|---------------------|-------------|
| Resin Properties                            | Unit               | Typical Value       | Test Method |
| Tensile Strength (Yield)                    | Kg/cm <sup>2</sup> | 500                 | ASTM D-638  |
| Tensile Modulus of Elasticity               | Kg/cm <sup>2</sup> | 2.6*10 <sup>4</sup> | ASTM D-638  |
| Izod Impact Strength<br>(notched, t=6.4 mm) | Kg-cm/cm           | 2.2                 | ASTM D-256  |
| Vicat Softening Point<br>(50°C/hr, 1000 g)  | °C                 | 98                  | ASTM D-1525 |
| Melt Index (200°C, 5000 g)                  | g/10 min           | 6                   | ASTM D-1238 |