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TAKHT JAMSHID PETROCHEMICAL PARS ASSALUYEH COMPANY

GENERAL PURPOSE POLYSTYRENE GPPS 1551

GPPS 1551 is a crystal-clear, high-performance grade of General Purpose Polystyrene, known for its exceptional transparency, high stiffness, and ease of processing. As an amorphous thermoplastic, it offers excellent clarity and is ideal for applications requiring visual appeal, dimensional stability, and efficient manufacturability.

Producer	Characteristic Properties	Applications
TJPAPC	Featuring crystal clarity, high stiffness & strength, and very easy, high-cycle processing, GPPS 1551 benefits a wide range of applications requiring transparency, rigidity, and efficient manufacturing.	the main applications for GPPS 1551 include thin-walled food containers, medical ware (like petri dishes), office stationery, housewares, and toys.

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Tensile Strength (Yield)	(kg/cm ²)	440	D-638
Tensile Modulus of Elasticity	(kg/cm ²)	2.6×10 ⁴	D-638
Izod Impact Strength (notched,t=6.4 mm)	(kg-cm/cm)	2.4	D-256
Vicat Softening Point (50°C/hr ,1000 g)	(°C)	92	D-1525
Melt Index (200°C , 5000 g)	(g/10 min)	9	D-1238