PAK POLYSTYRENE

A Product by Pak Polystyrene

DIAMOND GP-550P(N)

Characteristics:

- Natural tinted.
- Excellent Clarity.
- High Flow. Lou Volatility. (Below 1(1(IU ppm)

Processing:

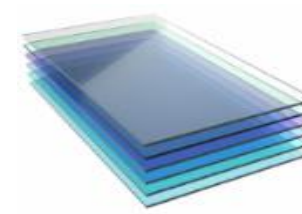
- Extrusion
- injection Molding

Applications:

Extruded sheets, crystal clear sheet Photo frames. Window panel door Panel.

Material Status

TYPICAL PROPERTIES	TEST METHOD	UNIT	VALUES
Mechanical Properties			
Tensile Strength at Yield / at break	ASTM D-638	kgf/cm 2	430
Tensile Elongation	ASTM D-638	%	1.5
Flexural Strength	ASTM D-790	kgf/cm 2	920
Thermal Properties			
Vicat Softening Temp	ASTM D-1525	0C	100
Heat Distortion Temp	ASTM D-648	0C	90
General Properties			
Melt Flow Rate MFR 200/5	ASTM D-1238	gm/10 min	3
Processing			
Specific Gravity	ASTM D-792	23/23^{0}C	1.05



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Product Description	Polystyrene is a highly transparent material. It gives excellent mechanical and heat resistance properties while providing with easy process ability and molding applications.
Processing	Although Polystyrene GP-550P(N) can be processed by any method applicable to polystyrene based plastic, it is best suitable for injection molding and extrusion molding. The melt temperatures should not exceed 260 °C.
Product Safety	During processing of Polystyrene GP-350P(N). small quantity or styrene Monomer max be released into the atmosphere. At styrene vapor concentrations below 20 ppm, no negative health effects are expected. In our experience, the concentration of styrene does not exceed 1 ppm in good ventilate workplace.
Form Supplied & Storage	Polystyrene GP-fi5t1P(N) is supplied as cylindrical shaped granules. It has to be kept in its original containers in a dry. cool place. Avoid direct exposure to sunlight. PS GP-550P(N) can also be stored in silos.
Food Legislation	If used unmodified and under appropriated processing conditions, Polystyrene GP-550P(N) conforms with FDA title 21 CFR section 177. l6d0 regarding the use of in food contact articles. Diamond Polystyrene is also approved by PCSIR (Pakistan Council of Scientific & Industrial Research).
Environmental	Diamond polystyrene resins can be recycled. Adequate ventilation should be used during processing. Diamond Polystyrene must not be dispose of to landfill or incineration as per government laws and reputations.

Note:

The information & recommendations in this publications are, best of our knowledge, reliable, suggestions concerning used or applications are only the opinion of Pak Polystyrene and users should perform their own test to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting results, Pak Polystyrene MAKES NO WARRANT OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MANUFACTURING AND FITNESS FOR PURPOSE, other than that the material conforms to the applicable current standard specification statement herein, therefore should not be construed as representations or warranties.