

## Technical Data Sheet

### GPPS 3160

#### Product Description

G 3160 is a high molecular weight general purpose polystyrene combining high heat resistance and good mechanical strength. G 3160 is suitable for direct gassing extrusion, biaxially oriented film and sheet, glass clear sheets and panels. Also used in injection molding of medium wall-thickness transparent parts. Thanks to G 3160, injected items will be bright and neutral colored in line with the most sophisticated market needs.

#### Typical Application

G 3160 is suitable in a large variety of sectors such as:

- Foamed packaging trays, clear panels for shower cubicles, insulation boards (XPS), clear molded fridge components and medical items.

#### Processing Conditions:

- Extrusion: suggested temperature around 240°C
- Injection molding: pre-drying normally not required, melt temperature 220-270°C
- mold temperature 20-60°C

#### TECHNICAL SPECIFICATION

PROPERTIES	UNIT	VALUE	STANDARD
MELT FLOW RATE (200°C-5KG)	(g/10 min)	2-3.5	ISO 1133
RESIDUAL STYRENE MONOMER	PPM	<500	ISO 2561
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	>104	ISO 306/A
REMARK			

#### Storage:

Store away from atmospheric agents and direct sunlight, away from sources of heat and light. The product, if stored correctly, keeps its characteristics for at least fifteen months.