



GPPS 24N

Product Description:

Medium molecular weight Polystyrene GP-24N is a heat resistant, good melt strength polystyrene for sheet and foam extrusion applications. It offers optimum mechanical strength and excellent thermal properties for food trays and suitable for profile, extrusion and embossed sheets, heat resistance thermoformed products and ideal for XPS insulation boards and XPS food packaging.

Application:

- Extrusion Sheet
- Foam Extrusion
- Household

PROPERTY	VALUE	UNIT	TEST METHOD
Melt Flow Index (200 °C/ 5 kg)	5 - 6	gr/10min	ASTM D-1238
VICAT Softening Point (10 N)	102	°C	ASTM D-1525
Heat Distortion Temperature (0.45 Mpa)	94	°C	ASTM D-648
Notched IZOD Impact Strength (23°C)	1.3	KJ/M ²	ASTM D-256
Unnotched IZOD Impact Strength (23°C)	8	KJ/M ²	ASTM D-256
Tensile Strength at Break	42	MPa	ASTM D-638
Elongation at Break	2	%	ASTM D-638
Tensile Modulus	3000	MPa	ASTM D-638
Water Absorption	≤ 0.09	%	ASTM D-570
Moulding Shrinkage	0.4 - 0.8	%	ASTM D-955
Density	1.04	g/cm ³	ASTM D-792

All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests.