



GPPS: GP-24N

GENERAL PURPOSE POLYSTYRENE

Applications:

- Extrusion Sheet
- Foam Extrusion
- Household

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.

Without Minral Oil

PROPERTIES	UNIT	TEST METHOD	VALUE
Rheological			
Melt Flow Index (200 °C - 5 kg)	GR/10MIN	ASTM D-1238	3-4
Thermal			
VICAT Softening Point (10N)	°C	ASTM D-1525	102
Heat Distortion Temperature (0.45 Mpa)	°C	ASTM D-648	94
Mechanical			
Notched IZOD Impact Strength (23°C)	KJ/M2	ASTM D-256	1.3
Unnotched IZOD Impact Strength (23°C)	KJ/M2	ASTM D-256	8
Tensile Strength at Break	MPa	ASTM D-638	42
Elongation at Break	%	ASTM D-638	2
Tensile Modulus	MPa	ASTM D-638	3000
Miscellaneous			
Water Absorption	%	ASTM D-570	≥0.09
Moulding Shrinkage	%	ASTM D-955	0.4-0.8
Density	g/cm ³	ASTM D-792	



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