

GPPS 585E General Purpose Polystyrene Specification

Chemical name
Commercial name (s)
Purpose of use

General Purpose Polystyrene

GPPS 585E

It is recommended for extrusion used in the manufacture of egg cartons and for insulation boards. For biscuits and cake trays that require low odour. In other oriented polystyrene packaging products.

Specifications	Unit	Specification	Test Methods
Melt Flow Index	g/10 min.	1,60 – 2,00	ASTM D 1238
Notched Izod Impact @ 23°C	J/m	min. 17,64	ASTM D 256
Vicat Softening Point @10N	°C	min. 102	ASTM D 1525
Heat Distortion @ 0.45 Mpa	°C	min. 97	ASTM D 648
Tensile Properties			ASTM D 638
- Strength at break	MPa	min. 4412	
- Elongation at break	%	min. 1,70	
- Tensile Modulus	MPa	2941 – 3432	
Flexural Properties			ASTM D 790
- Flexural Strength	MPa	min. 8727	
- Flexural Modulus	MPa	2745 – 3530	

PRODUCT TYPE: Transparent granule

PACKAGING SHAPE: 25 kg/Package

STORAGE CONDITIONS: It is stored at non-humid, ambient temperature

USAGE COHES: It is recommended for extrusion used in the manufacture of egg cartons and for insulation boards. For biscuits and cake trays that require low odour. In other oriented polystyrene packaging products.

GBF Number: GBF003-EN

Prepared & Coordinated by
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