GPPS 1038

پتروپاک مشرق زمین
PETRO PAAK MASHREGH ZAMIN

Typical applications:

It is recommended for manufacture of packaging applications and house hold applications and petri dishes and XPS sheets and plates.

Processing:

-Extrusion
-Molding

TECHNICAL PROPERTIES

Physical Properties	Unit	Value	Standard Method
Density	g/cc	1.04	D 792
Melt Flow Index (200 °C/ 5kg)	g/10min	3.1	D 1238
Linear mold shrinkage	%	0.4-0.7	D 955
Styrene residual monomer	ppm	<500	CLGLABPSG004

Mechanical Properties	Unit	Value	Standard Method
Tensile Strength at Yield	MPa	49	D 638
Tensile Elongation at Break	%	3.1	D 638
Tensile Modulus	MPa	2500	D 638
Flexural Properties			
Strength	MPa	91	D 790
Modulus	MPa	2100	D 790
Izod Impact Resistance (23°C)	KJ/m²	1.6	D 256
Hardness, Rockwell	M scale	77	D 785

Thermal Properties	Unit	Value	Standard Method
Vicat Softening Temperature (50°C/h,1 kg)	°C	101	D 1525
Heat Deflection Temperature(Method B, 0.45 MPa)	°C	93	D 648

Optical Properties	Unit	Value	Standard Method
HAZE	%	3	D 1003

Flammability	Unit	Value	Standard Method
Flammability		HB	UL 94

Product description:

General purpose polystyrene GPPS 1038 is manufactured by continuous mass polymerization of styrene monomer.
This grade can be used as stand-alone product or can be blended with high impact polystyrene both for extrusion and injection molding.

Packaging:

GPPS 1038 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. The product can be supplied in either 25 kg bags.

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Regulatory information:

It is responsibility of the manufacturers of food contact articles and industrial food packers to make sure the article in their actual use are in compliance with the imposed migration requirements.

All mechanical properties measured under standard conditions 50% RH and 23C.

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