GPPS 1115

پترو پاک مشرق زمین
PETRO PAAK MASHREGH ZAMIN

Typical applications:

It is recommended for packing articles, petri dishes, office equipment's, pen barrels, crisper boxes for refrigerators, cups, food containers gloss layer coextrusion.

Processing:

-Extrusion
-Injection

TECHNICAL PROPERTIES

Physical Properties	Unit	Value	Standard Method
Density	g/cc	1.04	D 792
Melt Flow Index (200 °C/ 5kg)	g/10min	11	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	42	D 638
Tensile Elongation at Break	%	2	D 638
Tensile Modulus	MPa	3120	D 638
Flexural Properties			
Strength	MPa	72	D 790
Modulus	MPa	3150	D 790
Izod Impact Resistance(23°C)	Kj/m²	1.3	D256
Hardness, Rockwell	R- scale	92	D 785

Thermal Properties	Unit	Value	Standard Method
Vicat Softening Temperature (50°C/h,1 kg)	°C	91	D 1525
Heat Deflection Temperature(Method B, 0.45 MPa)	°C	82	D 648

Optical Properties	Unit	Value	Standard Method
HAZE	%	1	D 1003

Flammability	Unit	Value	Standard Method
Flammability		HB	UL 94

Product description:

General purpose polystyrene GPPS 1115 is manufactured by continuous mass polymerization of styrene monomer.

Packaging:

GPPS 1115 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. the material can be supplied in either 25 kg bags.

پترو پاک
PETROPAAK
www.petropaak.com
Email : Sales@petropaak.ir
Tel : +98 21 47199
Unit 404, 4th Floor, No. 1, Aysan Complex, 2
Tehran/Iran

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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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پتروپاک
PETROPAAK
www.petropaak.com
Email : Sales@petropaak.ir Tel : +98 21 47199
Unit 404, 4th Floor, No. 1, Aysan Complex, 2
Tehran/Iran