HIPS 6045

پتروپاک مشرق زمین
PETRO PAAK MASHREGH ZAMIN

Typical applications:

It use for packaging sheets, disposable food containers, and thermoformed products due to its high impact strength and excellent processability.

Processing:

-Extrusion

TECHNICAL PROPERTIES

Physical Properties	Unit	Value	Standard Method
Density	g/cc	1.04	D 792
Melt Flow Index (200 °C/ 5kg)	g/10min	4.4	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	35	D 638
Tensile Elongation at Break	%	40	D 638
Tensile Modulus	MPa	2200	D 638
Flexural Properties			
Strength	MPa	35	D 790
Modulus	MPa	2150	D 790
Izod Impact Resistance(23°C)	KJ/m²	11	D 256
Hardness, Rockwell	L scale	55	D 785
Thermal Properties	**Unit**	**Value**	**Standard Method**
Vicat Softening Temperature (50°C/h,1 kg)	°C	91	D 1525
Heat Deflection Temperature(1.8 MPa)	°C	80	D 648
Flammability	**Unit**	**Value**	**Standard Method**
Flammability		HB	UL 94

Product description:

HIPS-6045 gives excellent processing in extrusion (thermoforming) with good finished product dimensional stability.

Packaging:

HIPS 6045 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. The product can be supplied in either 25 kg bags.

پتروپاک
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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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