PERSIAN GULF POLYMER

GENERAL PURPOSE POLYSTYRENE
GPPS 1115

Better Decision for better Production.

LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC

A. Product Description: General purpose polystyrene GPPS 1115 with easy flow and good clarity. It is recommended for application where a specific balance of flow and strength are important. In injection molding GPPS 1115 possesses low viscosity at high shear rate. It is particularly suitable for glossy-layer co-extrusion.

B. Application: Injection Molding, Disposable cup blending with HIPS

PROPERTY	TYPICAL VALUE	UNIT	TEST METHOD
Melt Flow Rate (200°C-5KG)	9 - 11	g/10min	ASTM - D1238
Vicat softening point (10N)	95	°C	ASTM - D1525
Notched IZOD impact strength (23°C)	1.5	KJ/m²	ASTM – D256
Unnotched IZOD impact strength (23°C)	8	KJ/m²	ASTM – D256
Tensile strength at break	42	MPa	ASTM – D638
Elongation at break	2.5	%	ASTM – D638
Tensile Modulus	2900	MPa	ASTM – D638
Water absorption	<0.09	%	ASTM – D570
Moulding shrinkage	0.4 – 0.8	%	ASTM D - 955

C. Typical properties:

*: All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For taking more information about guaranteed items, please refer to S.S.S. (standard sales specifications) Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7) % (ASTM D-955) respectively. All test are carried out at 23°C, unless otherwise stated. If the injection molding products quality is affected by moisture, granules of GPPS could be dried at 70 °C for 2-4 hours

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