

# GENERAL PURPOSE POLYSTYRENE GPPS-1115

*Better Decision for better Production.*

LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC
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**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 moulding, disposable cups, pen barrels, crisper boxes for refrigerators, food containers, gloss layer co-extrusion, loose fill packaging and it can blend with HIPS.

Property	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/m <sup>2</sup>	ASTM – D256
Unnotched IZOD impact strength (23°C)	8	KJ/m <sup>2</sup>	ASTM – D256
Tensile strength at break	42	Mpa	ASTM – D638
Elongation at break	2.5	%	ASTM – D638
Tensile Modulus	2900	Mpa	ASTM – D638
Water absorbtion	<0.09	%	ASTM – D570
Moulding shrinkage	0.4 – 0.8	%	ASTM – D955

- Regulation (EC) No 1935/2004 of 27 October 2004 on materials and articles intended to come into contact with food
- Regulation (EC) 2023/ 2006 Of 22 December 2006 amended on good manufacturing practices and articles intended to come into contact with food
- Regulation (EC) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with (food and its amendments (2018/831, 2017/752, 2018/213, 2018/79, 2015/174).
- One hundred and ninety-one (191) Substances of Very High Concern (SVHC) analysis. SVHC list is based on the publication by European Chemical Agency (ECHA), regarding regulation (EC) No 1907/2006 concerning the REACH (191) SVHC are less than concentration of 0.1% weight by weight (w/w).
- Residual of Hazardous Substances (RoHS) refer to RoHS directive 2011/65/ EU.
- Four hazardous substances determination to the requirements of Directive 94/62/EC and its amendments (Regulation 1882/2003/EC, 2004/12/EC, 2005/20/EC, 2013/2/EC).