

DATE: 2024-2025

Arena Code: AS1045/TPS-PP GPPS 1540

Producer and Supplier in the fields of Chemical, Oil, Gas and Petrochemical industries

Technical Data Sheet

GPPS 1540

Normal Polystyrene

GPPS 1540 is an easy flowing crystal polystyrene designed for extrusion or injection applications. In extrusion, it improves extruder output and thermoforming cycle time when mixed with a super high impact polystyrene such as HIPS 7240. It is particularly suitable for glossy-layer co-extrusion.

Applications:

Extrusion: Impact dilution; Gloss layer in co-extrusion; Anionic styrene butadiene copolymer dilution. Injection: Packaging articles; Medical applications, e.g., petri dishes; Office equipment; Pen barrels; Crisper boxes for refrigerators; Cups.

PROPERTIES	UNIT	TEST METHOD	VALUE
Melt Flow Index(200°c/200Kg)	g/10 min	ASTM D-1238	11
Styrene Residual Monomer	PPM	CLG LABPSG004	<500
		(Atofina Test Method)	
Vicat Softening Point (50°C/hr 1 kg)	°C	ASTM D-1525	91
Rockwell Hardness	-	ASTM D-1525	L SCALE/70
Tensile Strength at Break	MPA	ASTM D-638	42
Elongation at Break	%	ASTM D	2
Tensile Modulus	MPA	ASTM D	3100



Head Office:

Head Office: Unit 1011, 10th Floor, Kian Center 2 , Janbaz Blvd, Mashhad, Iran

Postal Code : 9197810030 Tell:+98-51-3883 9090

Fax:+98-51-3883 9010 Mobile: +98 915 005 1050 Website: www.arena-petrogas.com E-mail: info@arena-petrogas.com

