



Technical Data Sheet

EGYPELENE® TF540J

Polypropylene, Homopolymer

Product Description

EGYPELENE® TF540J is a polypropylene homopolymer nucleated grade for extrusion and thermoforming applications. EGYPELENE™ TF540J exhibits a good stiffness and transparency.

The main applications of EGYPELENE® TF540J are fruit baskets, trays, transparent drinking cups and containers.

Product Characteristics

Processing Methods

Thermoforming, extrusion.

Features

Homo polymer with good stiffness, transparency and good processability

Typical Customer Applications

Extrusion, Co-extrusion and thermoforming

	Normal Value	Units	Test Methods
Typical Properties			
Physical			
Melt flow	3.2	g/10 min	ISO 1133
Density	0.9	g/cc	ISO 1183
Mechanical			
Flexural Modulus	1550	Mpa	ISO 178
Tensile Stress at Yield, (23 °C, 50mm/min)	35	Mpa	ISO 527
Tensile Modulus (1 mm/min)	1550	Mpa	ISO 527
Tensile Strain at Yield, (23 °C, 50mm/min)	10	%	ISO 527
Thermal			
Vicat Softening Temperature	154	°C	ISO 306
Impact			
IZOD Impact strength, notched (23°C)	4.2	KJ/ m ²	ISO 180
Optical			
Haze, (1mm)	30	%	ASTM D1003

Regulatory Information

Egyptian Propylene & Polypropylene certifies that the above product is compliant with the USA FDA Code of Federal Regulations (CFR 21), Section 177.1520 (C) 1.1, and is suitable for use in articles that come into contact with food. Additionally, it is compliant with EU Regulation 10/2011 as amended.