



Provisional Technical Datasheet

TF06RE Polysure PP Random Copolymer Heat Seal BOPP Film

To enquire, Visit: www.jitsy.in

Product Characteristics:

Polysure TF06RE is a Polypropylene Terpolymer, produced by latest Spheripol – II Technology & primarily suitable for BOPP Film Extrusion process in skin layer. This grade contains antiblock additives. TF06RE combines excellent processability, heat sealability & low seal initiation temperature (SIT).

Recommended Applications:

Heat seal layer of BOPP film for flexible packaging, FFS packaging

Typical Properties:

Sr. No.	Property	Test Method	Unit	Value*
1	Melt Flow Index (230°C & 2.16 kg)	ASTM D1238	g/10 min	6
2	Tensile Strength at Yield, Type I Specimen	ASTM D638 (50 mm / min)	MPa	22
3	Tensile Elongation at Yield, Type I Specimen		%	12
4	Flexural Modulus (1% Secant)	ASTM D790A	MPa	700
5	Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	90
6	Vicat Softening Point (10 N)	ASTM D1525	°C	118
7	Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	70
8	Seal Initiation Temperature (SIT)	Internal method	°C	110

*All the mechanical properties are tested on Injection molded Test Specimen, prepared in accordance with ASTM D4101

Processing Guidelines:

- Barrel Temperature : 230 - 280°C
- Quench Temperature : 10 - 15°C

Storage & Handling:

Bags should be stored in dry & dust free environment at temperature below 50°C and Prevent from direct exposure to sunlight & heat to avoid quality deterioration.

Regulatory Requirements:

TF06RE to be manufactured complying the requirements specified in IS 10910 on "Specification for Polypropylene & its Copolymers for safe use in contact with Foodstuff, Pharmaceutical & Drinking water". Furthermore, the Additives added in this grade formulation compiles to the "Positive list of constituents for Polypropylene, Polyethylene and their Copolymers for safe use in contact with Foodstuffs & Pharmaceuticals" as laid down under IS 16738:2018. In general, the additives & constituents used in the grade are in line with requirement laid down under FDA: CFR Title 21,177.1520, Olefin Polymers.

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