

# COSMOPLENE® FY4012E

Polypropylene Homopolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

## Message:

COSMOPLENE FY4012E is Polypropylene Homopolymer designed for stiffness, tensile strength and excellent processibility.

COSMOPLENE FY4012E is formulated for yarn, tapes, bands, monofilaments etc.

General Information			
Features	Good Processability Good Stiffness Good Strength Homopolymer		
Uses	Monofilaments Tape Yarn		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	42.2	MPa	ASTM D638
Tensile Elongation (Break)	830	%	ASTM D638
Apparent Bending Modulus	1370	MPa	ASTM D747
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	164	°C	Internal Method

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## Recommended distributors for this material

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