

COSMOPLENE® FC9413G

Polypropylene Random Copolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

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Technical Data

Product Description

COSMOPLENE® FC9413G is a Polypropylene Random Copolymer (PP Random Copolymer) product. It can be processed by extrusion coating and is available in Asia Pacific. Applications of COSMOPLENE® FC9413G include coating applications, film and packaging.

Characteristics include:

- Clarity
- Copolymer
- Good Sealability
- High Stiffness

General

Material Status	• Commercial: Active
Search for UL Yellow Card	• COSMOPLENE®
Availability	• Asia Pacific
Features	• Dispersible • High Stiffness • Low Temperature Heat Sealability • Medium Clarity • Random Copolymer • Terpolymer
Uses	• Bi-axially Oriented Film • Food Packaging • Laminates
Forms	• Pellets
Processing Method	• Extrusion Coating

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.902	0.900 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	4260 psi	29.4 MPa	ASTM D638
Tensile Elongation (Yield)	800 %	800 %	ASTM D638
Apparent Bending Modulus	113000 psi	780 MPa	ASTM D747

Thermal	Nominal Value (English)	Nominal Value (SI)
Melting Temperature	295 °F	146 °C

Extrusion	Nominal Value (English)	Nominal Value (SI)
Melt Temperature	536 to 608 °F	280 to 320 °C

Notes

¹ Typical properties: these are not to be construed as specifications.

