

# COSMOPLENE® W531

Polypropylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

## Technical Data

### Product Description

COSMOPLENE® W531 is a Polypropylene product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

- High Flow
- High Gloss
- Impact Resistant

### General

Material Status	• Commercial: Discontinued
Search for UL Yellow Card	• COSMOPLENE®
Availability	• Asia Pacific
Features	• High Flow • High Gloss • Medium Impact Resistance
Uses	• General Purpose
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	0.902	0.900 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	5550 psi	38.2 MPa	ASTM D638
Tensile Elongation (Break)	800 %	800 %	ASTM D638
Apparent Bending Modulus	128000 psi	883 MPa	ASTM D747

Thermal	Nominal Value (English)	Nominal Value (SI)
Melting Temperature	309 °F	154 °C

Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	356 to 464 °F	180 to 240 °C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

