

COSMOPLENE® W101E

Polypropylene Homopolymer
TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE® W101E is a polypropylene homopolymer (PP Homopoly) product. It can be processed by injection molding and is available in the Asia-Pacific region. COSMOPLENE® Application areas of W101E include home applications and hats/caps/corks.

Features include:

- high gloss
- Homopolymer
- Good toughness

General Information			
Features	Ultra high toughness		
	Highlight		
	Homopolymer		
	Medium liquidity		
	General		
Uses	Shield		
	Household goods		
	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	37.3	MPa	ASTM D638
Tensile Elongation (Yield)	800	%	ASTM D638
Apparent Bending Modulus	1270	MPa	ASTM D747
Thermal	Nominal Value	Unit	
Melting Temperature	164	°C	
Additional Information			
Notched Izod Impact, ASTM D256, 23°C: 3.4 kJ/cm ²			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 240	°C	

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