

COSMOPLENE® Z451G

Polypropylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE® Z451G is a Polypropylene product. It can be processed by injection molding and is available in Asia Pacific. Applications of COSMOPLENE® Z451G include containers, household applications, kitchenware and medical/healthcare.

Characteristics include:

- Clarity
- High Flow
- Impact Resistant

General Information			
Features	High Clarity		
	High Flow		
	High Impact Resistance		
Uses	Containers		
	Cups		
	Household Goods		
	Hypodermic Syringe Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Apparent Bending Modulus	1180	MPa	ASTM D747
Thermal	Nominal Value	Unit	
Melting Temperature	142	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 240	°C	

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Recommended distributors for this material

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