

# COSMOTHENE® G814

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

## Message:

COSMOTHENE® G814 is a Low Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific. Applications of COSMOTHENE® G814 include caps/lids/closures, coating applications, consumer goods and household applications.

Characteristics include:

Good Processability

High Gloss

General Information			
Features	Good Moldability High Gloss		
Uses	Coating Applications Household Goods Lids Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.917	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.32	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Apparent Bending Modulus	157	MPa	ASTM D747
Thermal	Nominal Value	Unit	
Melting Temperature	105	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	170 to 200	°C	

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