

COSMOTHENE® G812

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

PROSPECTOR®

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Technical Data

Product Description

COSMOTHENE G812 has excellent gloss and moldability.

Artificial flower, sundry and many others injection molding usages.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Good Moldability • High Gloss
Uses	• Lids • Toys
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	0.917 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	35 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Break)	9.80 MPa	ASTM D638
Tensile Elongation (Break)	600 %	ASTM D638
Apparent Bending Modulus	180 MPa	ASTM D747
Thermal	Nominal Value Unit	Test Method
Melting Temperature	105 °C	Internal Method

Notes

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



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Where to Buy

Supplier

TPC, The Polyolefin Company (Singapore) Pte Ltd

, Singapore

Telephone: +65-6292-9622

Web: <http://www.tpc.com.sg/>

Distributor

Please contact the supplier to find a distributor for COSMOTHENE® G812

