



# The Polyolefin Company (Singapore) Pte. Ltd.

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Co. Reg. No.: 198001666D

## COSMOPLENE<sup>®</sup> AZ564G

### CHARACTERISTICS

**COSMOPLENE AZ564G** is a high impact PP copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

**COSMOPLENE AZ564G** is high flow, high stiffness, high impact copolymer grade.

### APPLICATIONS

**COSMOPLENE AZ564G** is specially designed for industrial parts, automotive door trims and electrical appliances etc.

### PHYSICAL PROPERTIES

ITEM	UNIT	AZ564G	TEST METHOD
Melt Flow Rate	g/10 min	38	ASTM D1238
Density	g/cm <sup>3</sup>	0.90	ASTM D792
Tensile Strength at Yield	MPa	23.5	ASTM D638
Tensile Strength at Break	Mpa	15.0	ASTM D638
Elongation at Break	%	50	ASTM D638
Flexural Modulus	MPa	1150	ASTM D790
Izod Impact (23°C)	J/m	85	ASTM D256
(-20°C)	J/m	46	ASTM D256
Rockwell Hardness	R scale	86	ASTM D785
HDT (0.45MPa)	°C	122	ASTM D648
Shrinkage MD/TD (2mm)	%	1.5/1.7	TPC METHOD
Flammability (E108370)	-	HB	UL 94

### INJECTION

Cylinder Temp (°C) : 190 - 230  
 Mold Temp (°C) : 30  
 Clamp Pressure (Kg/cm<sup>2</sup>) : 100  
 Injection Pressure G (Kg/cm<sup>2</sup>) : 70

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/ recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.



**COSMOPLENE<sup>®</sup>**

**COSMOTHENE<sup>®</sup>**

**COSMOTHENE<sup>®</sup> EVA**

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POLYPROPYLENE

LOW DENSITY POLYETHYLENE

ETHYLENE VINYL  
ACETATE COPOLYMER