



The Polyolefin Company (Singapore) Pte. Ltd.

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COSMOPLENE[®] AW564

CHARACTERISTICS

COSMOPLENE AW564 is high impact PP copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

COSMOPLENE AW564 is high flow, high stiffness, high impact copolymer grade.

APPLICATIONS

COSMOPLENE AW564 is specially designed for crate, cooler box, lampcover and base for washing machine etc.

TYPICAL PROPERTIES

ITEM	UNIT	AW564	ASTM METHOD
Melt Flow Rate	g/10 min	9	D1238
Density	g/cm ³	0.90	D792
Yield Strength	MPa	25.5	D638
Ultimate Strength	MPa	19.6	D638
Ultimate Elongation	%	120	D638
Flexural Modulus	MPa	1,370	D790
Izod Impact (23°C)	KJ/m ²	9.8	D256
(-20°C)	KJ/m ²	4.4	-
Rockwell Hardness	R scale	91	D785
HDT (4.6 Kg/cm ²)	°C	124	D648
Shrinkage MD/TD	%	1.6/1.7	-
Flammability (E108370)	-	HB	UL-94

INJECTION

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

- The figures presented are typical laboratory averages, only for reference.



Responsible Care



CERTIFICATE SG99/16071



CERTIFICATE TW05/00847EM

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COSMOPLENE[®]

POLYPROPYLENE

COSMOTHENE[®]

LOW DENSITY POLYETHYLENE

COSMOTHENE[®] EVA

ETHYLENE VINYL
ACETATE COPOLYMER

ACRYFT[®]

ETHYLENE METHYL
METHACRYLATE