The Polyolefin Company (Singapore) Pte. Ltd.

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COSMOPLENE® AW564

CHARACTERISTICS

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

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

APPLICATIONS

COSMOPLENE AW564 is specially designed for crate and base for washing machine etc.

PHYSICAL PROPERTIES

ITEM	UNIT	AW564	TEST METHOD
Melt Flow Rate	g/10 min	9	ASTM D1238
Density	g/cm^3	0.90	ASTM D792
Tensile Strength at Yield	MPa	27.5	ASTM D638
Tensile Strength at Break	MPa	23.0	ASTM D638
Elongation at Break	%	300	ASTM D638
Flexural Modulus	MPa	1290	ASTM D790
Izod Impact (23°C)	J/m	92	ASTM D256
(-20°C)	J/m	45	ASTM D256
Rockwell Hardness	R scale	91	ASTM D785
HDT (0.45MPa)	°C	124	ASTM D648
Shrinkage MD/TD (2mm)	%	1.6/1.7	TPC METHOD
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.
- 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.

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

CERTIFICATE SG99/16071 CERTIFICATE SG05/00847

SS 506 Part 3: 2006 Cert No: CIS/8609O OHSAS 18001:2007 Cert No: CIS/8609O

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