The Polyolefin Company (Singapore) Pte. Ltd.

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Co. Reg. No.: 198001666D

COSMOPLENE® AH561

CHARACTERISTICS

COSMOPLENE AH561 is a high impact PP copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

COSMOPLENE AH561 is a low flow, super high impact copolymer grade.

APPLICATIONS

COSMOPLENE AH561 is specially designed for industrial use such as crates, industrial containers, automotive parts, toy cars, electric appliances etc.

AH561 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 3.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

Note : Direct food contact is subjected to the extraction provisions of the regulation on the finished food contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	AH561	TEST METHOD
Melt Flow Rate	g/10 min	3	ASTM D1238
Density	g/cm^3	0.90	ASTM D792
Tensile Strength at Yield	MPa	26.0	ASTM D638
Tensile Strength at Break	MPa	22.0	ASTM D638
Elongation at Break	%	> 500	ASTM D638
Flexural Modulus	MPa	1000	ASTM D790
Izod Impact (23°C)	J/m	140	ASTM D256
(-20°C)	J/m	59	ASTM D256
Rockwell Hardness	R scale	85	ASTM D785
HDT (0.45MPa)	°C	112	ASTM D648
Shrinkage MD/TD (2mm)	%	1.6/1.6	TPC METHOD
Flammability (E108370)	-	HB	UL 94

INJECTION

Cylinder Temp (°C)	:	190 - 230
Mold Temp (°C)	:	30
Clamp Pressure (Kg/cm²)	:	100
Injection Pressure G (Kg/cm²)	:	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

SGS UKAS QUALITY MANAGEMENT 005
CERTIFICATE SG99/16071

SGS UKAS ENVIRONMENTAL MANAGEMENT 005
CERTIFICATE SG05-00847

SAC ACCREDITED CERTIFICATION BODY

CERTIFICATION INTERNATIONAL
SS 506 Part 3: 2006
Cert No. CIS/8609O

CERTIFICATION INTERNATIONAL
OHSAS 18001:2007
Cert No. CIS/8609O

Jan 2011

COSMOPLENE®
POLYPROPYLENE

COSMOTHENE®
LOW DENSITY POLYETHYLENE

COSMOTHENE® EVA
ETHYLENE VINYL ACETATE COPOLYMER