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Co. Reg. No.: 198001666D

COSMOPLENE[®] AV161

CHARACTERISTICS

COSMOPLENE AV161 is medium flow, high stiffness and high impact PP copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

APPLICATIONS

COSMOPLENE AV161 is suitable for commodity products such as chair, crates, containers, detergent pails, toys, tool boxes etc.

AV161 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 3.2a, 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.

TYPICAL PROPERTIES

ITEM	UNIT	AV161	ASTM METHOD
Melt Flow Rate	g/10 min	5	D1238
Density	g/cm ³	0.90	D792
Yield Strength	MPa	24.5	D638
Ultimate Strength	MPa	23.5	D638
Ultimate Elongation	%	550	D638
Flexural Modulus	MPa	1,180	D790
Izod Impact (23°C)	KJ/m ²	11.8	D256
(-20°C)	KJ/m ²	3.9	-
Rockwell Hardness	R scale	88	D785
Shrinkage MD/TD	%	1.5/1.5	-
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.



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