



COSMOPLENE[®] AW184

CHARACTERISTICS

COSMOPLENE AW184 is a high gloss, medium flow, high stiffness and high impact PP copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

APPLICATIONS

COSMOPLENE AW184 is suitable for products such as electric fan stand, motor bike fender, chair, toilet seat, tool boxes which require high gloss etc.

PHYSICAL PROPERTIES

ITEM	UNIT	AW184	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	20.5	ASTM D638
Elongation at Break	%	400	ASTM D638
Flexural Modulus	MPa	1240	ASTM D790
Izod Impact (23°C)	J/m	145	ASTM D256
Izod Impact (-20°C)	J/m	54	ASTM D256
Rockwell Hardness	R scale	80	ASTM D785
HDT (0.45MPa)	°C	119	ASTM D648
Shrinkage MD/TD (2mm)	%	1.3/1.5	TPC METHOD

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.

