



COSMOPLENE[®] AW191

CHARACTERISTICS

COSMOPLENE AW191 is a high impact PP copolymer manufactured by gas phase process technology licensed from Sumitomo Chemical Co. Japan.

COSMOPLENE AW191 is medium flow, super high impact copolymer grade.

APPLICATIONS

COSMOPLENE AW191 is specially designed for industrial use such as crates, bumper, automotive parts etc.

PHYSICAL PROPERTIES

ITEM	UNIT	AW191	TEST METHOD
Melt Flow Rate	g/10 min	10	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at Yield	MPa	20.0	ASTM D638
Tensile Strength at Break	MPa	22.5	ASTM D638
Elongation at Break	%	500	ASTM D638
Flexural Modulus	MPa	870	ASTM D790
Izod Impact (23°C)	J/m	550	ASTM D256
(-20°C)	J/m	80	ASTM D256
Rockwell Hardness	R scale	68	ASTM D785
HDT (0.45MPa)	°C	110	ASTM D648
Shrinkage MD/TD (2mm)	%	1.4/1.4	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.

