



COSMOPLENE[®] AX191

CHARACTERISTICS

COSMOPLENE AX191 is a high impact PP copolymer manufactured by the latest gas phase process licensed from Sumitomo Chemical Co. Japan. It exhibits good impact property at high melt flow rate. **COSMOPLENE AX191** also shows excellent flowability and good surface appearance of parts after molding.

APPLICATIONS

COSMOPLENE AX191 is designed as a base material for automotive compound. It is also suitable for injection molding of thin wall automotive parts.

PHYSICAL PROPERTIES

ITEM	UNIT	AX191	TEST METHOD
Melt Flow Rate	g/10 min	50	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at Yield	MPa	20	ASTM D638
Tensile Strength at Break	MPa	16	ASTM D638
Elongation at Break	%	100	ASTM D638
Flexural Modulus	MPa	930	ASTM D790
Izod Impact (23°C)	J/m	130	ASTM D256
(-20°C)	J/m	65	ASTM D256
Rockwell Hardness	R scale	65	ASTM D785
HDT (0.45MPa)	°C	117	ASTM D648
Shrinkage MD/TD (2mm)	%	1.6/1.6	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.

