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COSMOPLENE® AZ191

CHARACTERISTICS

COSMOPLENE AZ191 is a high impact PP copolymer manufactured by the gas phase process licensed from Sumitomo Chemical Co. Japan. It features high impact property at high melt flow rate. **COSMOPLENE AZ191** also shows good flowability and excellent surface appearance of parts after molding.

APPLICATIONS

COSMOPLENE AZ191 is designed as a base material for automotive components. It is also suitable for injection molding of thin wall automotive parts.

PHYSICAL PROPERTIES

ITEM	UNIT	AZ191	TEST METHOD
Melt Flow Rate	g/10 min	30	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at Yield	MPa	21	ASTM D638
Tensile Strength at Break	MPa	16	ASTM D638
Elongation at Break	%	70	ASTM D638
Flexural Modulus	MPa	940	ASTM D790
Izod Impact (23°C)	J/m	153	ASTM D256
(-20°C)	J/m	82	ASTM D256
Rockwell Hardness	R scale	66	ASTM D782
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.