



# COSMOPLENE<sup>®</sup> AX668

## CHARACTERISTICS

**COSMOPLENE AX668** is a high flow; high stiffness and high impact PP block copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

## APPLICATIONS

**COSMOPLENE AX668** is suitable for thin gauge injection products such as lid and operation panel of washing machine and automotive parts.

**COSMOPLENE AX668** is formulated with UV stabilizer and is good for outdoor applications.

## PHYSICAL PROPERTIES

ITEM	UNIT	AX668	TEST METHOD
Melt Flow Rate	g/10 min	65	ASTM D1238
Density	g/cm <sup>3</sup>	0.90	ASTM D792
Tensile Strength at Yield	MPa	27.5	ASTM D638
Tensile Strength at Break	MPa	17.0	ASTM D638
Elongation at Break	%	50	ASTM D638
Flexural Modulus	MPa	1320	ASTM D790
Izod Impact (23°C)	J/m	65	ASTM D256
(-20°C)	J/m	40	ASTM D256
Rockwell Hardness	R scale	92	ASTM D785
HDT (0.45MPa)	°C	126	ASTM D648
Shrinkage MD/TD (2mm)	%	1.6/1.7	TPC METHOD
Weatherability (63°C)	Hr.	1,000	SWOM

## INJECTION

Cylinder Temp (°C) : 190 - 230°C  
 Mold Temp (°C) : 30-40°C  
 Clamp Pressure (Kg/cm<sup>2</sup>) : 100  
 Injection Pressure G (Kg/cm<sup>2</sup>) : 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.

