



The Polyolefin Company (Singapore) Pte. Ltd.

Office : 150 Beach Road, #10-00 Gateway West, Singapore 189720

Tel: (65) 6292 9622 Fax: (65) 6293 8890, (65) 6292 6595, (65) 6293 2748

Plant : 401 Ayer Merbau Road, Singapore 628285

Website: www.tpc.com.sg

Co. Reg. No.: 198001666D

COSMOPLENE[®] AZ864

CHARACTERISTICS

COSMOPLENE AZ864 is high impact PP Block Copolymer manufactured by latest production technology licensed from Sumitomo Chemical Co. Japan.

COSMOPLENE AZ864 is high flow, high impact, high stiffness Copolymer grade which contains anti-static agent and UV stabilizers.

APPLICATIONS

COSMOPLENE AZ864 is specially designed for washing machine parts and automotive parts.

PHYSICAL PROPERTIES

ITEM	UNIT	AZ864	TEST METHOD
Melt Flow Rate	g/10 min	38	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at Yield	MPa	25.0	ASTM D638
Tensile Strength at Break	MPa	17.0	ASTM D638
Elongation at Break	%	80	ASTM D638
Flexural Modulus	MPa	1200	ASTM D790
Izod Impact (23°C)	J/m	80	ASTM D256
(-20°C)	J/m	42	ASTM D256
Rockwell Hardness	R scale	90	ASTM D785
HDT (0.45MPa)	°C	122	ASTM D648
Shrinkage MD/TD (2mm)	%	1.5/1.4	TPC METHOD
Weatherability	Hr.	1000	SWOM
Antistatic	OHM	10 ¹³	TPC METHOD
Flammability	-	HB	UL 94

INJECTION

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



Jan 2011

COSMOPLENE[®]

COSMOTHENE[®]

COSMOTHENE[®] EVA

POLYPROPYLENE

LOW DENSITY POLYETHYLENE

ETHYLENE VINYL ACETATE COPOLYMER