

**Cosmoplene® AW864**

PP

The Polyolefin Company (Singapore) Pte Ltd

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>9</b>	g/10min	ASTM D 1238
Mold Shrinkage, MD	<b>0.016</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.017</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>27.5</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>23</b>	MPa	ASTM D 638
Elongation at Break	<b>300</b>	%	ASTM D 638
Flexural Modulus	<b>1290</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 91</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>92</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>45</b>	J/m	ASTM D 256
Temperature	<b>-20</b>	°C	-

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
DTUL @ 66 psi	<b>124</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1E13</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>900</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Mold temperature	<b>30</b>	°C	-
Zone 1	<b>190 - 230</b>	°C	-
Injection pressure	<b>6.9</b>	MPa	-
Holding pressure	<b>9.8</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Special Characteristics**

Anti-static, High impact or impact modified, U.V. stabilized or stable to weather

**Regional Availability**

Asia Pacific

**Features**

Copolymer, Impact Copolymer