COSMOPLENE® AW864

Polypropylene Copolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Additive	• Antistatic	• UV Stabilizer	
Features	• Antistatic • Block Copolymer • Controlled Rheology	• High Flow • High Heat Resistance • High Impact Resistance	• High Stiffness • Medium Flow
Uses	• Appliance Components • Crates	• Electrical/Electronic Applications • Industrial Applications	
Forms	• Pellets		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.6	%	
Across Flow	1.7	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	25.5	MPa	
Break	19.6	MPa	
Tensile Elongation (Yield)	120	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	91		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	124	°C	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating - UL	HB		UL 94

Additional Information
Notched Izod Impact, ASTM D256, 23°C: 9.8 kJ/cm²
Notched Izod Impact, ASTM D256, -20°C: 4.4 kJ/cm²

Notes

[1] Typical properties: these are not to be construed as specifications.

Revision History
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