

COSMOPLENE® AR164

Polypropylene Copolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE®AR164 is a polypropylene copolymer (PP Copoly) product. It is available in the Asia-Pacific region. COSMOPLENE®AR164 applications include electrical/electronic applications, furniture and containers.

- Features include:
- flame retardant/rated flame
 - High stiffness
 - high liquidity
 - Copolymer
 - Impact resistance

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Impact resistance, high		
	High liquidity		
	Medium liquidity		
Uses	Battery		
	Furniture		
	Container		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	24	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5	%	ASTM D955
Transverse flow	1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	19.6	MPa	ASTM D638
Tensile Elongation (Yield)	70	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	118	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			

Notched Izod Impact, ASTM D256, 23°C: 7.8 kJ/cm²Notched Izod Impact, ASTM D256, -20°C: 3.9 kJ/cm²

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