COSMOPLENE® AZ864

Polypropylene Copolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE AZ864 is high impact PP Block Copolymer manufactured by latest production technology from Sumitomo Chemical Co. Japan.
COSMOPLENE AZ864 is high flow, high impact, high stiffness Copolymer grade which contains anti-static agent and UV stabilizers.
COSMOPLENE AZ864 is specially designed for washing machine parts and automotive parts.

General Information			
Additive	Antistatic UV Stabilizer		
Features	Antistatic Block Copolymer High Flow High Impact Resistance High Stiffness		
Uses	Appliance Components Electrical/Electronic Applications		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	38	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	1.5	%	
Across Flow : 2.00 mm	1.4	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	25.0	MPa	
Break	17.0	MPa	
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-20°C	42	J/m	
23°C	80	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load (0.45 MPa, Unannealed)	122	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Anti-static	1.0E+13	ohms	Internal Method
Weather Resistance [1]	1.4	month	Internal Method
Injection	Nominal Value	Unit	
Rear Temperature	190 to 230	°C	
Middle Temperature	190 to 230	°C	
Front Temperature	190 to 230	°C	
Mold Temperature	30.0	°C	
Injection Pressure	6.86	MPa	
Clamp Tonnage	0.98	kN/cm^2	
NOTE			
1.	SWOM		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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