

COSMOPLENE® AW191

Polypropylene Copolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE AW191 is high impact PP copolymer manufactured by gas phase process technology licensed from Sumitomo Chemical Co. Japan.

COSMOPLENE AW191 is medium flow, super high impact copolymer grade.

COSMOPLENE AW191 is specially designed for industrial use such as crates, bumper, automotive parts etc.

General Information			
Features	Impact Copolymer		
	Medium Flow		
	Ultra High Impact Resistance		
Uses	Automotive Applications		
	Crates		
	Industrial Applications		
UL File Number	E108370		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	1.4	%	
Across Flow : 2.00 mm	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	68		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	20.0	MPa	
Break	22.5	MPa	
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	870	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	80	J/m	
23°C	550	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Flammability	Nominal Value		Test Method


Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Rear Temperature	190 to 230	°C
Middle Temperature	190 to 230	°C
Front Temperature	190 to 230	°C
Injection Pressure	6.86	MPa
Clamp Tonnage	0.98	kN/cm ²

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT