

Light is OSRAM

15.06.2020

# OS-IN-2020-018

## Update of Material Datasheets

**Objective** Correction of Material Datasheets

**Brands affected**

Advanced Power TOPLED, DISPLIX, Golden DRAGON, Mini TOPLED, Multi TOPLED, MULTILED, OSIRE, PointLED, Power SIDELED, Power TOPLED, Reflective Interruptor, SIDELED, SMARTLED, TOPLED

*Please refer to the detailed device list attached*

**Background** Correction of Material Datasheets after general review.

**Realization**

Current status

Material Data Sheet							
Brand	Advanced Power TOPLED®						
Date	2017-08-15						
Version	4.2						
Component	Material group	Substance	CAS # applicable	Average mass [%]	Sum [%]	Traces	
Chip	metalloid	germanium	7440-56-4	0,6	0,6		
Protective Diode	metalloid	silicon	7440-21-3			X	
Die attach	noble metal	silver	7440-22-4			X	
Wires	noble metal	gold	7440-57-5	0,1	0,1		
Leadframe	other metal	copper	7440-50-8	43,3	43,4		
Leadframe	other metal	chromium	7440-47-3	0,1			
Leadframe Plating	other metal	nickel	7440-02-0	0,1	0,1		
Leadfinish	other metal	tin	7440-31-5	1,9	2,1		
Leadfinish	other metal	nickel	7440-02-0	0,2			
Encapsulation	polymer	polyphthalamide	27135-32-6	28,4	53,7		
		inorganic substa	glass fibre	65937-17-3		10,7	
		inorganic substa	titanium dioxide	13463-67-7		8,3	
		polymer	silicone resin	63148-62-9		6,3	
Sum in total:					100,0		
Weight range	0,040 g						
Fluctuation margin	+/- 13 %						
						X traces	

New status

Material Data Sheet							
Brand	Advanced Power TOPLED®						
Date	2020-05-06						
Version	5.1						
Component	Material group	Substance	CAS # applicable	Average mass [%]	Sum [%]	Traces	
Chip	metalloid	germanium	7440-56-4	0,6	0,6		
Protective Diode	metalloid	silicon	7440-21-3			X	
Die attach	noble metal	silver	7440-22-4			X	
Wires	noble metal	gold	7440-57-5	0,1	0,1		
Leadframe	other metal	copper	7440-50-8	42,4 - 43,3	43,4		
Leadframe	other metal	iron	7439-89-6	0 - 1,0			
Leadframe	other metal	chromium	7440-47-3	0 - 0,1			
Leadframe Plating	other metal	nickel	7440-02-0	0,2	0,2		
Leadfinish	other metal	tin	7440-31-5	1,9	2,1		
Leadfinish	other metal	nickel	7440-02-0	0,2			
Encapsulation	polymer	polyphthalamide	27135-32-6	28,3	53,5		
		inorganic substa	glass fibre	65937-17-3		10,6	
		inorganic substa	titanium dioxide	13463-67-7		8,3	
		polymer	silicone resin	63148-62-9		6,3	
Sum in total:					100,0		
Weight range	0,400 g						
Fluctuation margin	+/- 13 %						
						X traces	

**Time Schedule** Updated datasheets available for Advanced Power TOPLED. Other brands will be updated till end of 2020.

**Assessment** No change in fit, form, function and reliability.

**Please direct your inquiry to your local Sales office.**

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