

ON Semiconductor		10/15/2019		
Base Part		MBR60L45		Pb-free
Orderable Part		MBR60L45WTG	Total weight (mg)	6856.24
Homogenous Material	Weight (mg)	Substance in Mat.	CAS #	% Avg. Weight
Die	89.77	Silicon (Si)	7440-21-3	100
Die Attach	281.28	Silver (Ag)	7440-22-4	25
		Tin (Sn)	7440-31-5	65
		Antimony (Sb)	7440-36-0	10
Lead Frame	4406.78	Silver (Ag)	7440-22-4	0.4
		Iron (Fe)	7439-89-6	0.1
		Copper (Cu)	7440-50-8	99.5
Mold Compound-Black	2040.91	Epoxy resins	n/a	7
		Phenolic Resin	n/a	7
		Silica Amorphous (SiO2)	7631-86-9	15
		Carbon Black (C)	1333-86-4	0.5
		Fused Silica (SiO2)	60676-86-0	70.5
Plating	12.83	Tin (Sn)	7440-31-5	100
Wire Bond - Al	24.67	Aluminum (Al)	7429-90-5	100
<p>Materials Disclosure Disclaimer: Even though all possible efforts have been made to provide you with the most accurate information, we cannot guarantee its accuracy since the data has been compiled based on the ranges provided, and some information provided by the subcontractors and raw material suppliers may have been withheld to protect their business proprietary information. Thus this information is provided only as estimates, and do not include trace levels of dopants and metal materials contained within silicon devices in the finished products. There is no intentional use of Mercury, Hexavalent Chromium, Cadmium, PBB or PBDE (5 of the 6 RoHS banned substances) in this or any of our other products. For further explanation on material composition calculations, please view our Product Chemical Content Brochure at:</p> <p>http://www.onsemi.com/pub/Collateral/BRD8022-D.PDF</p>				