

Material Composition Data



Product: GRX-320

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GRX-320 - Automotive Crystal (AEC-Q200)

Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass	
BASE	Ceramic	Al ₂ O ₃	1344-28-1	3.664	66.47	
	Ceramic	SiO ₂	14808-60-7	0.149	2.70	
	Ceramic	CaO	1305-78-8	0.011	0.20	
	Ceramic	MgO	1309-48-4	0.022	0.40	
	Ceramic	Cr ₂ O ₃	1308-38-9	0.160	2.90	
	Ceramic	TiO ₂	13463-67-7	0.039	0.71	
	Ceramic	Mo	7439-98-7	0.039	0.71	
	Ceramic	W	7440-33-7	1.179	21.39	
	Ceramic	Ni	7440-02-0	0.149	2.70	
	Ceramic	Co	7440-48-4	0.039	0.71	
	Ceramic	Au	7440-57-5	0.061	1.11	
	BLANK	Quartz	SiO ₂	14808-60-7	0.050	100.00
	Electrode	Metal	Ag	7440-22-4	0.010	100.00
Metal		Cr	7440-47-3	0.000	0.00	
LID	Kovar	Fe	7439-89-6	1.678	49.06	
	Kovar	Ni	7440-02-0	1.203	35.18	
	Kovar	Co	7440-48-4	0.527	15.41	
	Kovar	Mn	7439-96-5	0.012	0.35	
Silver Glue	Silicone resin	C ₁₂ H ₂₆	112-40-3	0.001	10.00	
	Silicone resin	SiO ₂	14808-60-7	0.001	10.00	
	Silicone resin	Ag	7440-22-4	0.008	80.00	

Total Mass: 9.002 mg

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