

## Japan Product Group Use

**Product Group Market:** Polycarbonates

**Products:** Poly Carbonate, Unfilled

Total Consumption (2013) 408.87 MMLb

<u>End Use</u>	<u>Cons</u> <u>(MMLb/y)</u>	<u>Cons</u> <u>(\$MM/y)</u>	<u>Grow</u> <u>(%)</u>	<u>Application</u>
Transportation	206.46		3.0	
	67.03			Lighting
	41.09			Exterior parts
	30.27			Dashboard skins
	24.00			Interior cladding
	24.87			Instrument lenses
	19.20			Window, auto
Glazing/Sheet	59.63		5.0	
	47.00			Glazing windows/skylights
	4.32			Glazes, ceramic
	3.46			Glazes, enamel, baked
	2.60			Glazes
	2.25			Glaze slips
Optical Media	36.22		-5.0	
	36.22			CD, DVD, Juckboxes/autochanger
Electronic/electric comp/parts	30.53		3.0	
	19.30			Computers and business equipment
	4.63			Lighting
	2.28			Power tools
	2.16			Electrical charges
	2.16			Battery boxes
Appliances	23.17		4.0	
	4.86			Impact modifier and compounding
	4.65			Consumer appliances, small size
	4.32			Refrigerators and freezers
	2.64			Housings, air conditioner and humidifier
	3.25			Atheletic gear and apparel
	1.84			Connectors

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	1.61			Household appliances
Packaging	14.00		3.0	
	14.00			Films, packaging
Pharmaceutical/Medical	13.00		3.0	
	13.00			Medical parts
Recreation and Toys	9.41		3.0	
	6.00			Toys
	2.00			Protective helmets
	1.41			Ski boots
Lighting	7.55		3.0	
	7.55			Lighting
Other end uses combined	4.32		3.0	
	4.32			Other/all applications combined
Signs	2.42		3.0	
	2.42			Decorative laminates/render
Communication	2.16		3.0	
	2.16			Mineral Oil