

POLYPLASTIC Group



Russian market leader



27 Oct – 3 Nov
2010
Düsseldorf

Automotive

Last years Russian auto market was growing rapidly. For the last several years in Russia were built seven auto plants as follow : Ford, Renault, VW, GM, Toyota, Hyundai, Peugeot –Citroen.

The main priority in development of these auto producers on Russian market is localization of parts producing and it is starting from buying of raw materials on local market.

POLYPLASTIC Group has long experience in producing grades for automotive sector and now we are collaborating with vast majority of OEM in Russia. We create materials which fully satisfy international specifications and other requirements.

Automotive



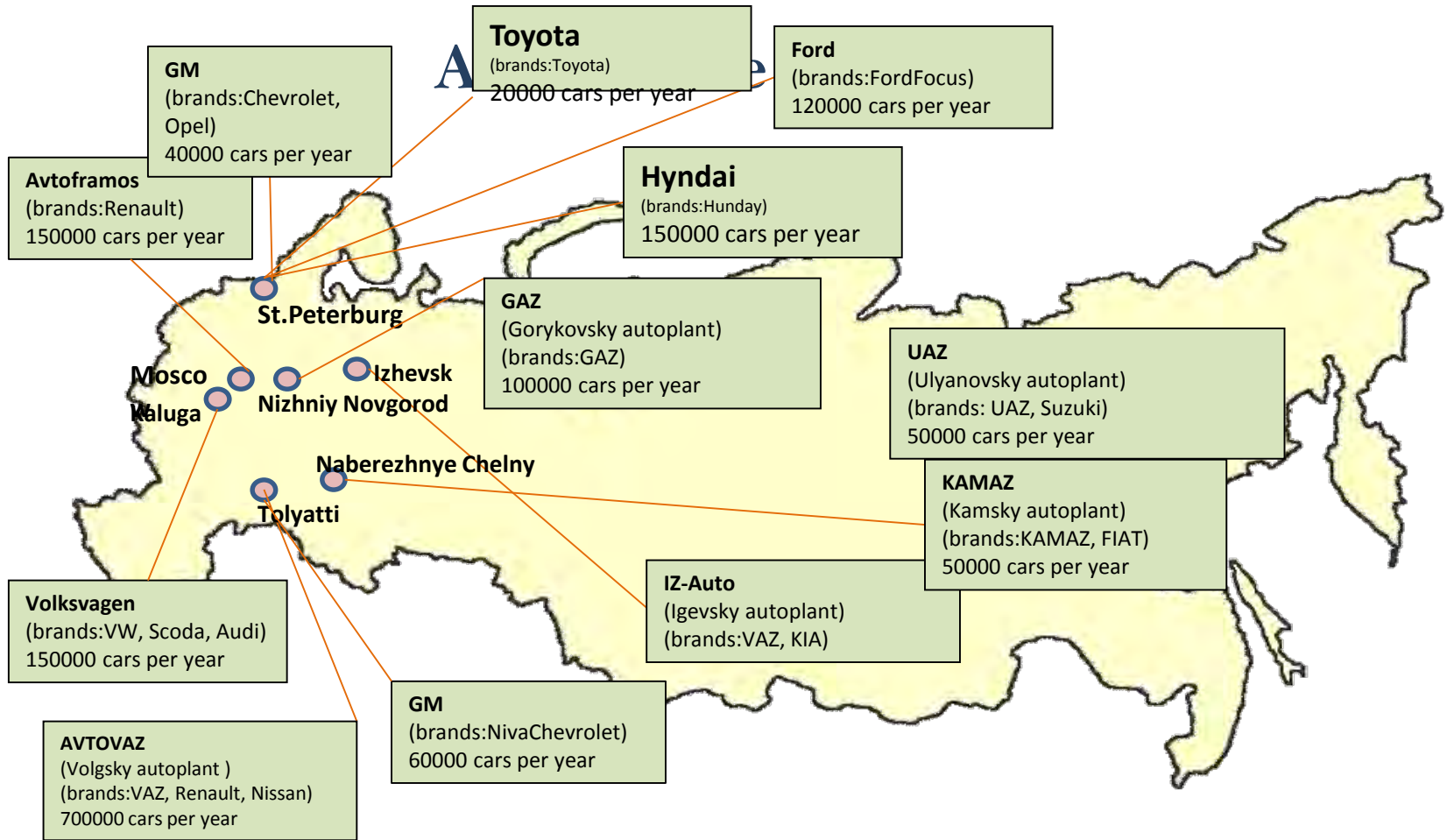
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Automotive under the localization



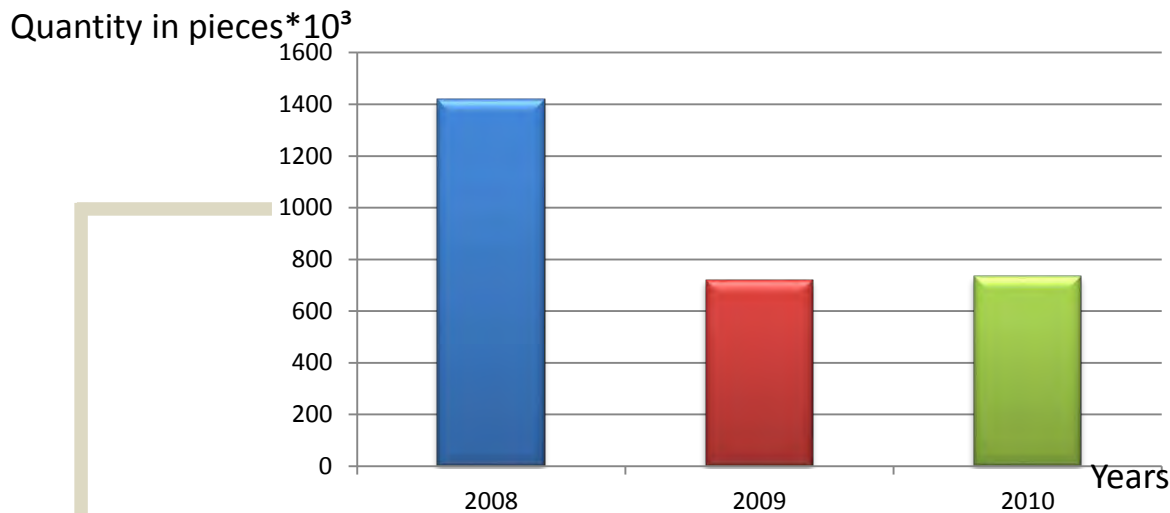


composite polymer materials & polymer pipes



Russian Federation

Automotive



Russian car's market for first half-year

(comparing by years)

	1/2 2008		1/2 2009		1/2 2010	
	Pieces * 10 ³	In %	Pieces * 10 ³	In %	Pieces * 10 ³	In %
Russian local producers	361,8	25,5	194,2	27,0	240,0	32,8
International brands produced in Russia	295	20,8	140,0	19,4	248,0	33,8
Import	762,3	53,7	386,3	53,6	244,7	33,4
Total	1419,1	100,0	720,5	100,0	732,7	100

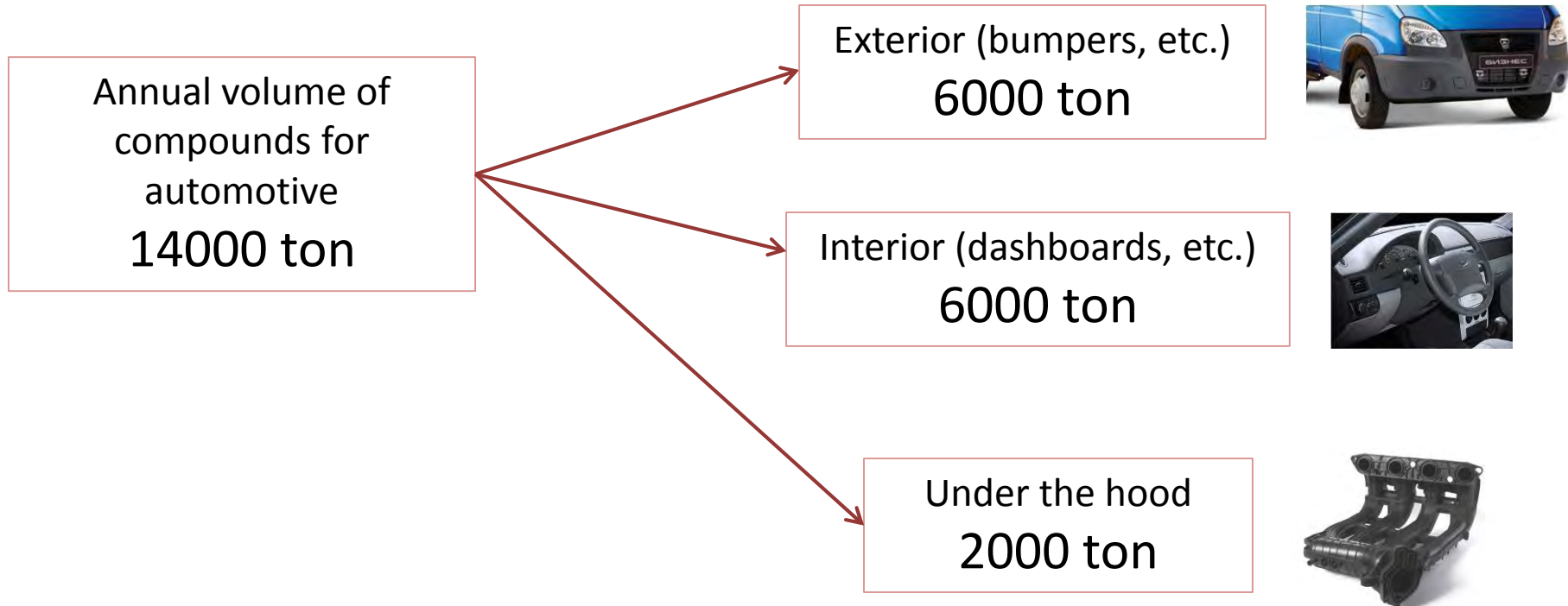


Automotive



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Material distribution by application in annual volume of **POLYPLASTIC** Group, 2010



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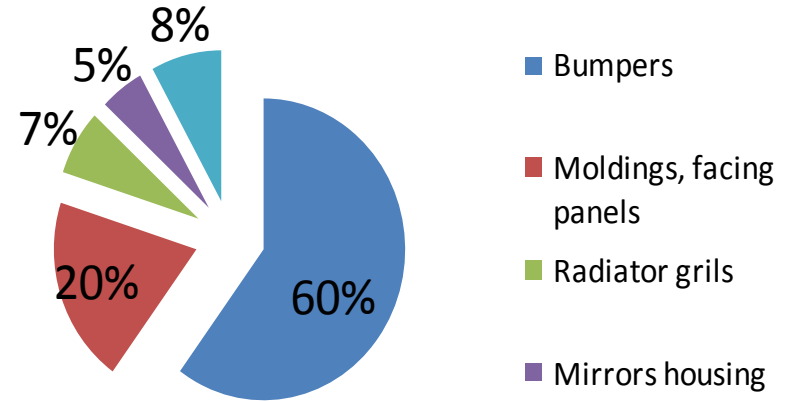
Exterior parts

We manage main materials properties

- Flowbility
- Mechanical Properties
 - Stiffness
 - High Impact resistance
 - High Impact resistance at Low T° (up to -5
- EU and NA Impact test regulations
- Behavior under balldrop test
- UV Weathering
- Aesthetics (Gloss , Scratch , etc.)
- Dimensional stability (Shrinkage)
- Paintability or colored in mass
- Detergents



Distribution in exterior



Main Materials

- [Armlen PP EPDM 20-4M](#)
- [Armlen PP-2 IM](#)
- [Armlen PP-10 IM](#)
- [Armlen PP-11 IM](#)

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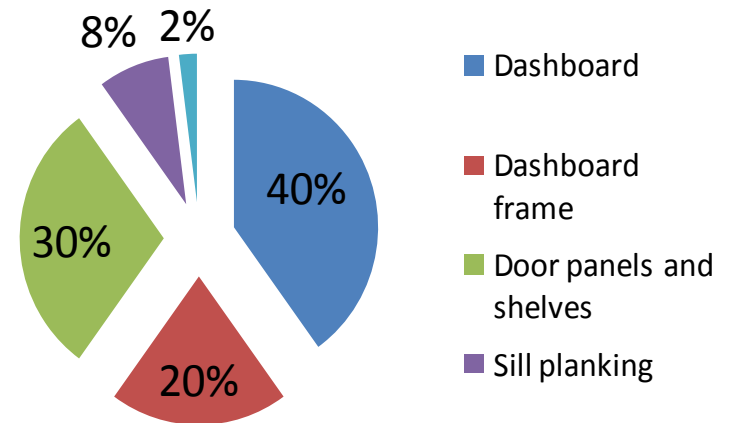
Interior parts

We manage main materials properties

- Processing properties
- Aesthetics (Gloss , Scratch , etc.)
- Lightfastness (UV)
- Burning behavior
- Smell and odor
- Scratch resistance
- Behavior under high and low temperature
- Colored in mass by RAL
- Passive prevention



Distribution in interior,%



Main Materials

[Armlen PP MF 20-5 IM](#)

[Armlen PP-3 IM](#)

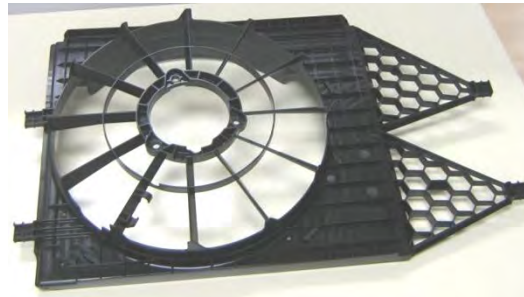
[Armlen PP MF 20-9 IM](#)

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Under the hood

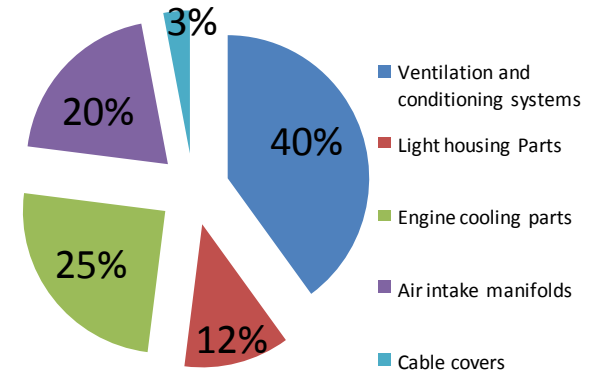
We manage main materials properties

- Aging resistance
- Maintenance of mechanical properties under high and low temperature
- Good dimensional stability
- Durability at aggressive liquids (gasoline, motor oils, antifreeze, etc.)
- Burning behavior



Automotive

Distribution in under the hood, %



Main materials

[Armlen PP GF 30-5HS](#)

[Armlen PP MF 20-3](#)

[Armamid PA6 GF 30 HS](#)

[Armamid PA6 GFMF 30-1HS](#)



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Thank you for attention!

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