

# POLYPLASTIC Group



## Russian market leader



27 Oct – 3 Nov  
2010  
Düsseldorf

# Electrical&Electronics



## Electrical&Electronics

Electrical and electronics engineering is everywhere:

- ✘ power distribution
- ✘ wiring accessories
- ✘ communication
- ✘ automotive
- ✘ building construction
- ✘ appliances
- ✘ instrument making etc



LET EXAMINE THREE FIRST SEGMENTS

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# Power distribution main trends:

- ✘ Tens grades for thousands highly tailored applications
- ✘ Halogen free grades and compliance with ROHS
- ✘ Accessories for self-bearing insulated wires
- ✘ Protective plastic tubes
- ✘ Low-voltage equipment



## Wiring accessories for self-bearing insulated wires



Up-to date technology of energy transmission

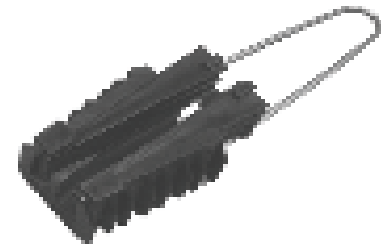
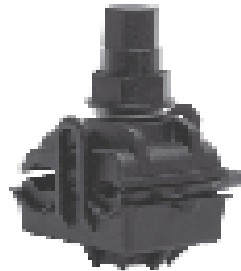
## Wiring accessories for self-bearing insulated wires

Armamid PA GF30-1

Armamid PA GF40-1

Have been chosen by customers because :

- high UV resistance
- high stiffness and hardness



## Wiring accessories



Body of switch and socket from [Armamid PA6 -1FR](#)

- excellent moldability, high surface gloss
- Better heat resistance and chemical resistance compared to ABS
- UL94 V2, GWFI 960°C (1.6 mm), halogen & phosphorus free
- Color: RAL 9003, 1015, 7035, 8001 and other custom-colored.

Base of switch, socket and insulator from

[Armamid PA6 GF30-1FRM](#)

- high mechanical strength
- V0, 960°C, ROHS

# Wiring accessories- cutting boxes



## Armlen PP MD 50-2HS

- low cost (directly substitution ABS)
- low warpage
- shrinkage like ABS
- nice surface
- better heat resistance



# Low-voltage equipment



Body of auto cutout and a slot of electricity supply meter

**Armamid PA6 GF 20-3FRM**

-V0/960°C, UL94.

- high color and heat stability



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# Sheath plastic tubes and accessories



A big group of PP and PA6 extrusion grades for tubes used in automotive and industry.

- thermo resistance class T2, T3
- flammability V2,V0/UL94, class B and E
- ROHS

Armlen PP MF10-1FREX for civil construction

- UV and thermostability
- V0/UL94
- useful at temperature -40+50°C



Armlen PP MD 50-2HS for connectors

- low cost directly substitution ABS
- better thermo and weather resistance
- 750°, UL94

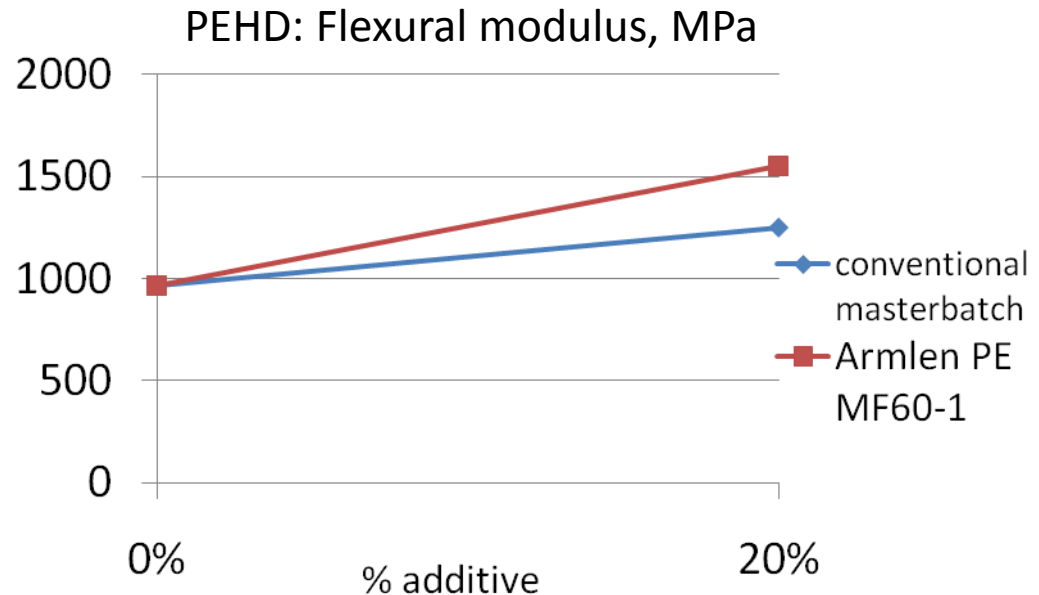
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# Two-layer protective plastic tubes for cables



**Armlen PE MF 60 -1** is a mineral filled masterbatch. Used as an additive in outer layer of the multi-layer pipes for increasing the ring stiffness



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# Communication: optical cables



Optical tubes and modules from

**Crastin 6130** (PBT, DuPont)

- controlled and stable shrinkage during processing
- chemical resistance
- functionality at high and low temperatures

POLYPLASTIC Group – DuPont distributor in Russia

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# Accessories for optical cables



Connecting muff frame from

**Armlen PP EPDM 20** is

-resistant to UV

- absolutely water and weather resistant

- impact resistant till -50°C

## Conclusion

- E/E segment growths at temps of growths our company
- Grades for E/E, it is 8% of production



# Thank you for attention!

**POLYPLASTIC Group**  
Moscow, Russia  
Ochakovskoe shosse 18  
+7 (495) 745-68-54  
+7 (495) 737-75-64  
+7 (495) 737-75-66  
[composites@polyplastic.ru](mailto:composites@polyplastic.ru)



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