

**Akro-Plastic Akromid® A3 K1 FR PA Fire Resistant (discontinued \*\*)**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced, Flame Retardant

**Material Notes:**

With completion of the AKROMID® FR series (Flame Retardant), AKRO-PLASTIC is able to deal with its Polyamide 6 and 6.6 with nearly all requirements in the area of electro- and electronic applications. According to the company's philosophy of AKRO-PLASTIC, self-evidently all products of the AKROMID® FR series are free of halogens, do not contain one of the prohibited bromine types and can be colored into almost every color due to the non-available red phosphorus. All materials correspond to the RoHS Directive 2002/95/EG for limitation of use of hazardous substances in electro- and electronic devices and are authorized according to the REACH Regulation EG 1907/2006. Due to the fact, that AKROMID® FR types are free of halogens, the adherence to the regulation WEEE 2002/96/EG is simplified by the OEM. That is the fact, because a separate collection of the raw-material must not be considered here. A comparison to Polyamide, not containing flame-protection definitely shows comparable dates with regard to modulus of rigidity as well as tensile stress at break. With regard to those features, AKROMID® FR outmatches types of polyamide in similar application areas including brominated- and what is more anorganic flame protection systems not requiring an extremely high filling level. Furthermore, data representing toughness like elongation at break and impact strength substantiate the significant predominance. A further requirement of globally acting users is the avoidance of deposit of emissions on conducting contacts among special climatical conditions. This undesired migrational effect is not available at any version due to the applied flame retardant. In this way, parts of AKROMID® FR are even applicable in subtropical areas. Application: Housing parts for ground fault circuit interrupters, sliding valves and automatic circuit breakers Switchboard parts Circuit breakers and circuit breaker elements Plugs, plug applications and connection plug boards Information from Akro-Plastic

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Akro-Plastic-Akromid-A3-K1-FR-PA-Fire-Resistant-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Akro-Plastic-Akromid-A3-K1-FR-PA-Fire-Resistant-nbspdiscontinued-.php)

Thermal Properties	Metric	English	Comments
Flammability, UL94	5VA	5VA	
Glow Wire Test	775 °C	1430 °F	IEC 60695-2-13

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 - 600 V	500 - 600 V	

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