

### Data sheet

**Granule Type: APJAC03-UV**

#### Description

APJAC03-UV is a Natural-Colourable high density polyethylene compound suitable for jacketing. It contains UV-stabilizer in order to ensure excellent UV protection. Antioxidant is added to obtain excellent long term properties.

#### Specification:

ASTM D1248 / Type III / class A / category 5 / grade J5 - IEC 60502:ST7 - IEC 60840:ST7 - IEC 60708

#### Special features:

- ✓ Outstanding UV resistance
- ✓ Termite resistance
- ✓ Low water permeability
- ✓ Excellent environmental stress crack resistance
- ✓ Oil resistance I & II, according to UL 1072

Properties	Unit	Typical Value	Standard and Test Method
Density compound	gr/cm <sup>3</sup>	0.943±0.005	ASTM D792
Melt Flow Index(190C/2.16kg)	gr/10min	0.33±0.05	ASTM D1238
Tensile strength	N/mm <sup>2</sup>	min 27	ASTM D638/IEC 60811-1-1
Elongation at break	%	min 800	ASTM D638/IEC 60811-1-1
Elongation at break after 10days at 110°c	%	min 500	ASTM D638/IEC 60811-1-1
O.I.T at 200°c	min	min 30	ASTM D3895
E.S.C.R(50°c.Cond.B-10% Igepal)	h	>5000	ASTM D1693
Hardness	Shore D	60±2	ASTM D2240(15sec)
Vicat Softening Temperature	°C	≥115	ISO 306
Hot pressure test at 110 °c	%	<50	IEC 60811-3-1
Water absorption	%	≤0.01	ASTM D570
Volume resistivity	cmΩ	10 <sup>15</sup>	IEC 60093
Dielectric strength (2 mm thickness)	kV/mm	No breakdown at 10	IEC 60243

## Processing Guidelines

**APJAC03-UV** provides excellent surface finish. The actual extrusion conditions will depend on the type of equipment used. The following conditions may be used as a guide when starting up the extruder.

	zone 1	zone 2	zone 3	zone 4	head	die
max (°C)	180	190	200	210	230	260
min (°C)	160	170	180	190	210	240

## Safety

**APJAC03-UV** is classified as no-dangerous material.

## Packaging

It is available in the form of pellets and supplied in PP laminated bag with a net content of 25 kg.

## Technical Service

Abhar Polymer Compounds Technical Service is available to help the customer to choose the best product for his requirements.

Our Technical Service is at your disposal for further information and advice about the start-up and also for any possible necessity during the use of the product.

## Disclaimer

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