

# Technical Data Sheet

## PAP-230 Compound



### Description

PAP-230 is a high-performance polyethylene-based adhesive compound formulated for joining thermoplastic pipes and fitting. PAP-230 is designed to create a high adhesion strength, durable, leak-proof, and pressure-resistant joint by strong chemical bond formation on the pipe surfaces.

### General

**Form:** Natural Pellets

**Process:** Extrusion

**Application:** Potable water distribution systems, PERT pipes, 3LPE coated pipes, Industrial piping networks

**Additives:** AO, PPA

**Packaging:** 25 kg sack / 850 kg big bag

### Physical Properties

Property	Test Method	Unit	Result
Density	ISO 1183	g/cm <sup>3</sup>	0.92±0.01
Melt Flow Rate (190°C/2.16kg)	ISO 1133	g/10 min	1.5±0.5
Tensile Strength at Break	ISO 527	MPa	20
Elongation at Break	ISO 527	%	700
Vicat Softening Temperature	ISO 306	°C	108
Oxidation Induction Time	ISO 11357	min	30
Moisture Content	ISO 15512	%	<0.2
Adhesion Strength	ISO 22970	N/cm	>250

### Processing Guidelines

The compound provides excellent surface finish and output rates over a broad range of conditions in PE screw extruder; however, the optimum results are recommended as follows:

- Barrel Temperatures: 150-220 °C
- Die Head Temperatures: 210-220 °C

### Notes

- The typical properties have been determined using laboratory equipment. Users are advised to verify results through their own standard testing methods.
- The compound is suitable for use on various machines; however, minor adjustments may be required for individual equipment. Customers are advised to verify product quality prior to commercial use.
- The compound should be stored in its original packaging under cool and dry conditions, protected from direct sunlight, heat and contamination. The recommended storage period at the customer's site should not exceed two years.

