

# Technical Report

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*Processing Aid for PVC*

**PA910 / PA828 / PA930**



**Michael Ballance Plastics Limited**

SPECIALISTS IN PLASTICS & CHEMICALS

## 1. Introduction

The addition of MBPL's Processing aid to PVC formulations improves the processibility and the properties of PVC products.

### Grade

### Characteristics

### Applications

**PA910**

▪ **General Purpose**

- **Sheet, Film, Profiles,**
- **Pipe, Bottle**
- **Injection Molded Part, etc**

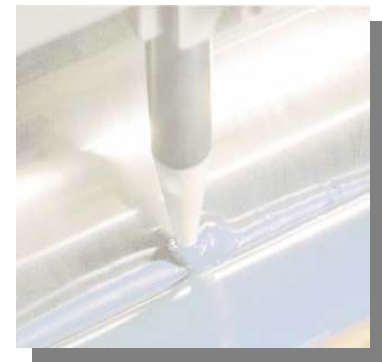
**PA828**  
**PA930**

- **High Molecular Weight**
- **Better Hot Tensile Strength**
- **Better Foam Extrudability**

- **Foam parts**
- **Vacuum Formed Parts**
- **Flexible PVC Products**

## 2. Advantages

- Accelerating fusion speed
- Increase productivity and decreasing processing temperature
- Better dispersion of additives into PVC
- More homogeneous of PVC
- Lower possibility of pinhole, flow mark and melt fracture
- Improving vacuum formability and foam extrudability
- Better surface gloss and excellent surface quality
- Improving tensile properties, impact efficiency, welding strength, etc

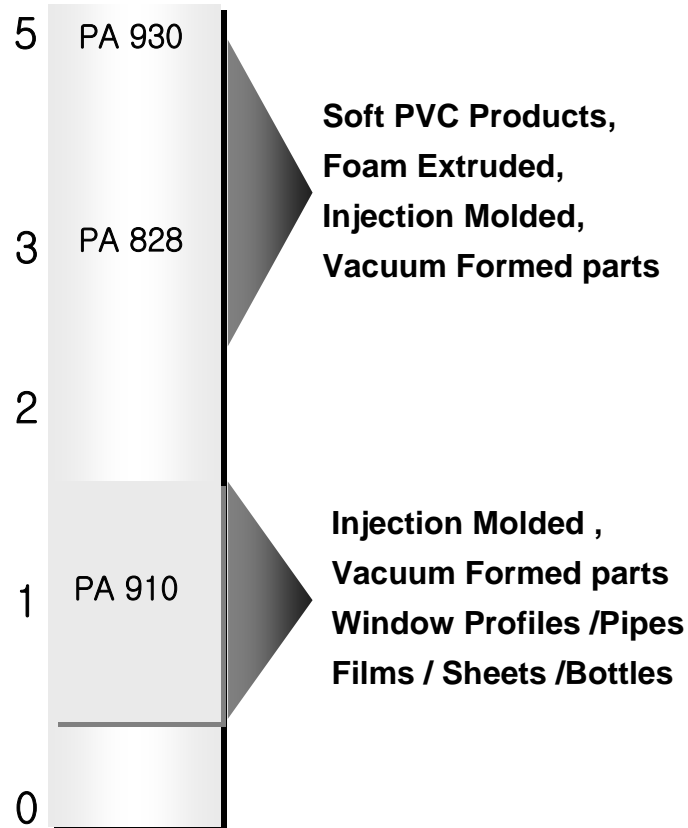


### 3. Applications

PA Mw varies with application ;

- moderate Mw PA : Window Profiles, Pipes, Sheets
- high Mw PA : Soft PVC Products, Foam Extruded parts

Mw (million)

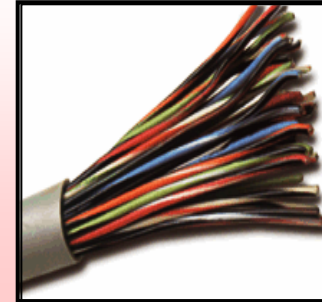


#### Processing Aid Applications

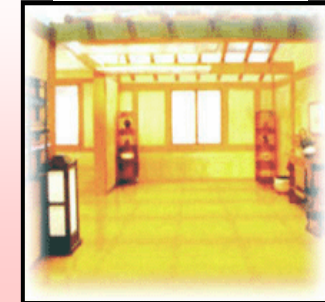
PVC Leather



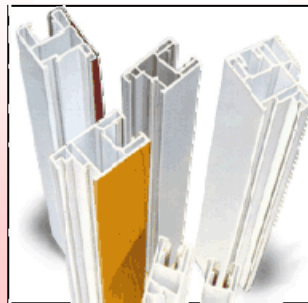
Cable



Foam Extruded



Window Profile



Pipe



Transparency Sheet

