



## **PRODUCT DATA SHEET**

### **POWDER NBR P1850**

#### **PRODUCT DESCRIPTION:**

- P1850** is processed through special technics after butadiene and acrylonitrile are copolymerized under low temperature.
- P1850** is powder form macromolecule rubber.
- P1850** is environmental friendly material. It has passed various measures for SGS Test and does not contain 16P.

#### **PRODUCT CHARACTERISTICS:**

- A.** Controls plasticizer from precipitation – can absorb low molecular plasticizers after addition, thereby to reduce or avoid low molecular plasticizers from precipitation
- B.** Environmental friendly — will not cause environmental pollution
- C.** Not harmful to human body – P1850 is suitable to use in food and human body contact PVC products industries.

#### **PROPERTIES OF APPLICATIONS:**

**P1850** can provide the following properties to PVC products:

- Heat and low temperature resistance properties
- Oil resistance property
- Increases elongation at break
- Improves compressive deformation properties
- Improves product's rebound resilience
- Low temperature flexibility

#### **APPLICATIONS:**

**P1850** can be used in thermoplastic elastomer materials to fully or partially replace of liquid plasticizer.

|                                                                |                                                     |
|----------------------------------------------------------------|-----------------------------------------------------|
| • PVC Cables and Wires                                         | • Friction materials etc.                           |
| • Auto-mobile & construction use sealant, refrigerator sealant | • Plumbing pipe gasket seal                         |
| • Auto-mobile fuel pipe, hosepipe                              | • Auto mobile dust cover, Mine-use protective cover |
| • Rubber Conveyer belt, V-belt                                 | • Thin film, leatheroid, banner                     |
| • Shoe products (Galoshes and Safety boots)                    |                                                     |

#### **NOTE:**

Succeed Life Science shall be not liable under any circumstances for misuse of the information of this manual. The data printed herein is correct , however it has been obtained from laboratory work. Preliminary tests must be made with the product in order to set process variables..



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## TECHNICAL DATA:

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Polymer Name</b>                  | <b>P1850</b>                          |
| <b>Method of polymerization</b>      | <b>Low temperature polymerization</b> |
| <b>Acrylonitrile content ( % )</b>   | <b>20</b>                             |
| <b>Mooney Viscosity ML1+4 @100°C</b> | <b>50</b>                             |
| <b>Parting agent</b>                 | <b>Chemicals</b>                      |
| <b>Particle size (mesh)</b>          | <b>40</b>                             |
| <b>Degree of crosslinking</b>        | <b>Linear</b>                         |
| <b>Specific Gravity</b>              | <b>0.98</b>                           |
| <b>Stabilizer</b>                    | <b>Non-pollution</b>                  |
| <b>Emulsifier</b>                    | <b>Aliphatic acid</b>                 |
| <b>Appearance</b>                    | <b>Powder form</b>                    |
| <b>Packaging</b>                     | <b>25KG</b>                           |
| <b>Application and Properties</b>    | <b>PVC products</b>                   |

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