***PP***

***PP BDP (Blow down powder) –***

***Description***: PP BDP is basically polymers from PP plant in the form of powders and white in colour. A small part of the stock may appear off-white because of ageing. BDP is packed in bags of approx 20 kg weight.

***Source:***  PP BDP is collected from reactors and powder sample points.

***PP WPP (Waste powder pellet) –***

***Description***: PP WPP is basically polymer powders /pellets, which is contaminated with dust and foreign particles. This appears brownish / blackish due to contamination. WPP is packed in bags of approx 20 kg weight.

***Source:*** PP WPP is basically sweepings of spilled BDP/ polymer pellets from product warehouses & plants. A small quantity is also collected from sump pit and trench, hence contain moisture.

***PP Machine waste –***

***Description***: PP machine wastes are in the form of lumps, fused polymers and a small quantity of light weight crispy substances. Material is white /off-white/ brownish in colour and it also contains a small quantity of charred substances. It is kept dumped in polymer scrap yard.

***Source:***  PP machine waste is generated from molten polymers during start-up / shut-down of extruder. Fused polymers and crispy machine wastes are collected from Blow down vessels/ Reactor legs.

***HDPE***

***HDPE BDP (Blow down powder) –***

***Description***: HDPE BDP is basically polymers in the form of powders & small quantity of pellet fines. Material is white in colour. A small part of the stock may appear off-white because of ageing. BDP is packed in bags of approx 20 kg weight.

***Source:***  HDPE BDP is collected from reactors of HDPE (Mitsui) Plant, powder sample points and extruder section.

***HDPE WPP (Waste powder pellet) –***

***Description:*** HDPE WPP is basically polymer powders /pellets, which is contaminated with dust and foreign particles. The material appears brownish / blackish due to contamination. WPP is packed in bags of approx 20 kg weight.

***Source:*** HDPE WPP is basically sweepings of spilled BDP/ polymer pellets from product warehouses & plants. A small quantity is also collected from sump pit and trench, hence contain moisture.

***HDPE Machine wastes –***

***Description:*** HDPE machine wastes are in the form of lumps and strand/ strings. Material is white /off-white/ brownish in colour and it also contains a small quantity of charred substances. It is kept dumped in polymer scrap yard.

***Source:***  HDPE machine waste is generated from molten polymers during start-up / shut-down of extruder.

***HDPE Contaminated Low Polymers*** –

***Description:*** While packaging of polyethylene wax (oligomers) as produced in HDPE (Mitsui) Plant, a small part of it gets spilled and contaminated with dust and moisture. This is packed in approx 20 kg bags and termed as “Contaminated Low Polymers”. It appears off-white /brownish / blackish in colour due to contamination with dust.

***Source:***  Contaminated Low Polymers is basically sweepings of polyethylene wax (low polymers / oligomers), which is produced in HDPE (Mitsui) Plant.

***LLDPE***

***LLDPE BDP (Blow down powder) –***

***Description:*** LLDPE BDP is basically polymers of LLDPE /HDPE (swing) products in the form of powders from LLDPE Spherilene plant and white in colour. A small part of the stock may appear off-white because of ageing. LLDPE BDP is packed in bags of approx 20 kg weight.

***Source:***  LLDPE BDP is collected from reactors, powder sample points and extruder section (Blenders, Feed Hopper & Bag Filter etc)

***LLDPE WPP (Waste powder pellet) –***

***Description:*** LLDPE WPP is basically powders & pellets of LLDPE / HDPE (swing) products as produced in LLDPE Spherilene Plant, which is contaminated with dust and foreign particles. The material appears brownish / blackish due to contamination. WPP is packed in bags of approx 20 kg weight.

***Source:*** LLDPE WPP is basically sweepings of spilled BDP/ polymer pellets from product warehouses & plants.

***LLDPE Machine wastes –***

***Description:*** LLDPE machine wastes are in the form of lumps of LLDPE / HDPE (swing) products as produced in LLDPE Spherilene Plant. Material is white /off-white/ brownish in colour and it also contains a small quantity of charred substances. It is kept dumped in polymer scrap yard.

***Source:***  LLDPE machine waste is generated from molten polymers during start-up / shut-down of extruder

***RPP (Recovered powder pellets) –***

***Description:*** RPP is basically LLDPE / HDPE-Swing product as produced in LLDPE Spherilene Plant, and off-white/ brownish in colour. It comprises of mostly powders and small quantity of pellets. RPP contains moisture and also contaminated with dust and chemicals. RPP is packed in approx 20 kg bags

***Source:***  RPP is basically spilled powders and pellets of LLDPE Spherilene Plant and collected from sump pit.

***AMPP (Additive mixed PE powder) –***

***Description:*** AMPP is basically LLDPE (swing) products in the form of powders and white in colour, which is mixed with polymer additives (anti oxidants, acid scavengers, anti-block, slip additive and polymer processing aids etc ). AMPP is packed in bags of approx 20 kg weight.

***Source:*** AMPP is collected from the Bag Filter which is connected to venting and de-dusting system of extruder section (Additive charging hoppers, Bags breakers, Screw feeder, Blenders, Extruder Feed Hopper etc) of Spherilene Swing plant.

**Composition:** Around 10-70% Polymer (LLDPE & HDPE) and the balance is contaminated Polymer additives like Calcium Stearate, Irganox 1010, Irgafos 168 , Kynerflex, DHT4A etc

Appearance: White fine powder