



# Waste Plastics Feedstock Requirements

## **Primary Contact:**

**Tony Colello**  
330-752-1111 x401  
[tcoello@vadxx.com](mailto:tcoello@vadxx.com)

## **General Requirements:**

Post-industrial waste plastic or post-industrial mixed waste plastics, containing not less than 70%/wt polyolefin (LDPE (#4), PP (#5), HDPE (#2), MDPE, LLDPE, or XLPE)

- Shredding not required. If shredded, 1" minus
- Typical disposition: Destined for landfill
- Delivered to 1200 E. Waterloo Rd., Akron, OH 44306
- Minimum Volume: 500 tons/yr

## **Specific Requirements:**

Must have post-shred bulk density of > 15 lbs/ft<sup>3</sup> (per 1" minus shred)

<300 ppm bromine + chlorine in mixed waste plastics feed stream  
<10 ppm fluorine in mixed waste plastics feed stream  
<100 ppm sulfur in mixed waste plastic feed stream

**Polyolefins (HDPE (#2), LDPE (#4), PP (#5), LLDPE, MDPE, XLPE) >70%/wt in waste plastics feed stream mixture**

Melt Flow Index (MFI) > 1

The following are "limited amount" materials that may be present once 70% polyolefin content has been determined; all percentages shown are by %/wt

**No toxics** (no PCBs, no PCDDs, PCDFs, etc.)

PET (#1) < 1% in mixture

PVC (#3) and other halogenated polymers, such as CPVC, chloroprene, etc. <0.05% in mixture

Teflon and other fluoropolymers <0.001% in mixture

PS (#6) < 3% in mixture

"Other" polymers (some are oxygen and/or nitrogen containing) (#7) <10% total in mixture

Wood, paper, cotton <5% total in mixture

Metals, inorganics, glass <5% total in mixture and < ¼" particle size

Moisture <3%

**For further clarification or discussion of specific feedstock requirements please contact:**

**Stan Prybyla**  
216-406-3165  
[sprybyla@vadxx.com](mailto:sprybyla@vadxx.com)