



Vikas Global One Ltd.

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Technical Data Sheet

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V-pet

POLYETHYLENE TEREPHTHALATE (PET) – R

➤ Product Description:

- PET is a linear thermoplastic resin that is created by the condensation of terephthalic acid and ethylene glycol. PET is a strong & reliable option especially for packaging. PET provides a long shelf life because it acts as a good barrier to elements outside of the container.

➤ Characteristics & Usages:

- PET has good gas and moisture barrier properties
- PET is strong and impact-resistant
- PET crystallinity varies from amorphous to fairly high crystalline.
- PET is naturally colourless with a high transparency

➤ CAS No. : **25038-59-9**

➤ Physical & Chemical Properties:

Flow ability	Free Flow
Bulk Density	880 Kg/M ³
I.V.(dl/gm)	0.72± 0.02
Colour b Gardner	< 2.0
Melting Point	240 ° C
Fine(< 0.5 mm)	< 0.1 %
pellet Size	3 mm
Moisture	< 0.1 %

➤ Packaging:

- Standard Packaging: 25Kgs Nett Bags.
- Specific Packaging options can be arranged as per customer's requirement.

➤ Safety & Environmental Information:

- **Fire Extinguishing Agent:** Water Spray, Dry Chemical Powder, Carbon dioxide foam.
- **Eye:** Pellets and fines may scratch eye surfaces and cause mechanical irritation to eyes. The vapour from heated material or suspended dust may cause discomfort to eyes.
- **Skin:** Skin contact may result in mechanical injury or abrasion.

➤ Handling & Storage Information:

- Use Personal protective equipment. Avoid prolonged contact.
- Indoor Storage is recommended. Store in a cool dry place. Avoid storage with oxidizing agents, acids, acid chlorides and acid anhydrides

Disclaimer:

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