



VIKAS ecOTECH LTD.

(Formerly Vikas GlobalOne Ltd.)

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Vee-prene

THERMOPLASTIC RUBBER COMPOUND

Technical Data Sheet

Updated on: 1ST January 2016

➤ *Product Description:*

Thermoplastic Rubber is a polymer blend or compound, with both thermoplastics and elastomeric properties, which provides dual advantage of “Characteristics of Rubber and Process ability of Plastics”. Like most of the plastics. TPRs can be subjected to different processes like injection / compression moulding, extrusion etc. The scrap & runners of TPRs can be easily & repeatedly put to re-use/re-processing. TPR is mainly used for making shoe soles, liners, seals, toys, sports goods, soft grips, mats etc.

➤ *Characteristics & Usages:*

- Wide range of colours.
- High elongation
- Resistance to low and high temperature from -30°C to +140°C
- Excellent resistance to chemical & weathering.
- Good tear and abrasion resistance.
- Recyclability.

➤ Physical & Chemical Properties:

GRADE	Specific Gravity	M.F.I	Hardness	Tensile Strength At Break	Elongation At Break	Tear Strength	Abrasion Resistance	Ross Flexing
Test Method	ASTM D792	ASTM D1238	ASTM D2240	ASTM D 412	ASTM D 412	ASTM D 624	ASTM D 53516	ASTM D 1052
Grade		gm/10 min	Shore A	Kg/cm ²	%	N/mm	mm ²	No.of Cycles
Honey Colour VEC 60	0.935 + 0.015	30-40	58-62	42 + 5	550 + ₅₀	21-26	120-160	15000
Opaque Colour VEC 60	0.985 + 0.015	40-60	58-62	40 + 3	400 + ₅₀	23-27	180-220	15000
Transparent VEC-60	0.925 + 0.015	30-70	58-62	47 + 5	650 + ₅₀	22-30	120-140	15000
Brown VEC 60	0.985 + 0.015	40-60	58-62	42 + 3	400 + ₅₀	22-25	180-260	15000
Black VEC 60	0.985 + 0.015	40-60	58-62	42 + 3	400 + ₅₀	22-25	180-260	15000

➤ Speciality Compounds

- Cork based compound in different colours
- <5 shore A Hardness Compound
- Low Abrasion Compound
- Matt Finish Compound
- Dual Finish Compound
- Stitch able Compound
- All products available between 10 Shore A to 90 Shore A Hardness
- All products meet SATRA Standards

➤ Packaging:

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

➤ Safety & Environmental Information :

- Eye Protection: Thermoplastic rubber does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.

- Respiratory Protection: Avoid breathing process vapours or dust. Use NIOSH approved respiratory protection equipment (full face mask recommended) when airborne exposure is excessive.

➤ Handling & Storage Information

- Usual precautions in pellet handling should be observed to prevent contamination by dirt or other materials.
- Avoid leaving container open for prolonged periods to prevent exposure to humidity. Store in a cool, dry place.

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