

# PRODUCT BROCHURE

## KOHLENSTOFF® Carbon Blacks



Himadri Speciality Chemical Ltd

Unleashing the power of Carbon

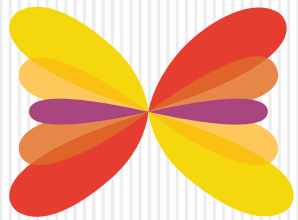
### KLAREX RG 535 Speciality Carbon Black Mechanical Rubber Goods (MRG) Black

**KLAREX RG 535** has an extremely low surface area with a medium-high structure. The optimized and unique morphology of the carbon black has been especially developed to reduce visual imperfections on the surfaces of extruded rubber parts and to assure high electrical resistivity requirements. The high electrical resistivity specifications can be fulfilled at relatively high carbon black loadings and without high white filler levels that can be detrimental for extrusion, processing and physical compound properties.

| Carbon Black Physical Properties | Test Method | Typical Value |
|----------------------------------|-------------|---------------|
| I <sub>2</sub> No. (g/kg)        | ASTM D1510  | 22            |
| OAN (cc/100g)                    | ASTM D2414  | 94            |
| Tint (%)                         | ASTM D3265  | 40            |
| S.R. #325 (ppm)                  | ASTM D1514  | ≤25           |
| Moisture (as packed) (%)         | ASTM D1509  | < 1           |
| Ash (%)                          | ASTM D1506  | 0.2           |

| Compound Physical Properties |            |      | KLAREX RG 535 | Lead Competitor 1 | Lead Competitor 2 | Lead Competitor 3 |
|------------------------------|------------|------|---------------|-------------------|-------------------|-------------------|
| Mooney Viscosity             | ASTM D1646 | MU   | 31            | 30                | 33                | 32                |
| Hardness                     | ASTM D2240 | sh-A | 70            | 69                | 69                | 70                |
| 100% Modulus                 | ASTM D412  | MPa  | 4.5           | 4.1               | 4.0               | 4.8               |
| Tensile Strength             |            | MPa  | 13.2          | 12.2              | 12.1              | 13.5              |
| Elongation at Break          |            | %    | 331           | 343               | 382               | 365               |

Formulation EPDM 100, CB 130, Paraffinic Oil - 70, Sulphur Cured System



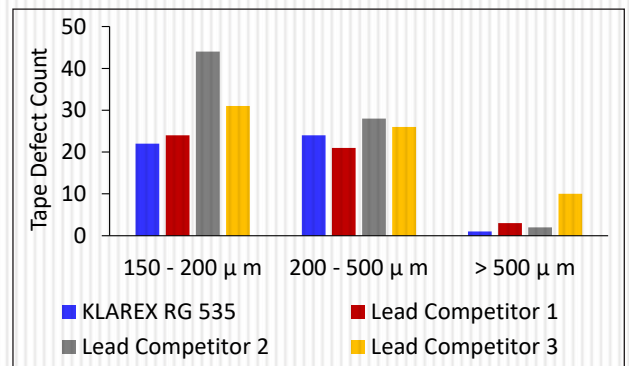
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## Product Highlights

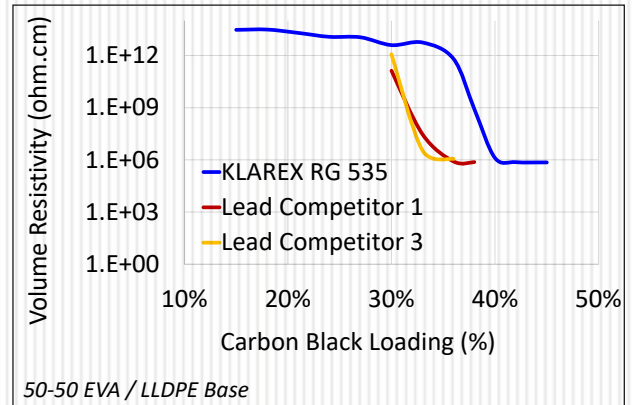
**HIMADRI'S KLAREX RG 535** speciality carbon black provides the following competitive advantages:

- High green strength, excellent extrusion characteristics and low hysteresis
- Excellent dispersion
- High electrical resistivity.
- Very low surface defects
- Low gloss (matte surface)



## Key Applications

- Automotive weather stripping and extruded profiles
- Anti-vibration and automotive belt application
- Automotive coolant, industrial and consumer hoses.



## Product Form & Logistics

- **Product Form:** Pellets
- **Regional Availability:** Global
- **Bag Packaging Options:** 25 kg polyethylene lined paper bags
- **Bulk Packaging options:** Flexible intermediate bulk containers (FIBC) depending on region