

PRODUCT BROCHURE

KOHLENSTOFF® Carbon Blacks



Himadri Speciality Chemical Ltd

Unleashing the power of Carbon

KLAREX RG 545 Speciality Carbon Black

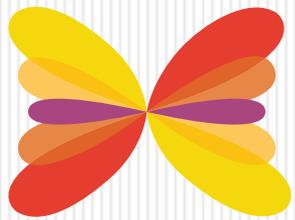
Mechanical Rubber Goods (MRG) Black

KLAREX RG 545 is a very low surface area and high structure carbon black along with high level of cleanliness, which allows to reduce the extruded surface defects and improve the ease of mixing and processing. It also shows high electrical resistivity level.

| Carbon Black Physical Properties | Test Method | Typical Value |
|----------------------------------|-------------|---------------|
| I ₂ No. (g/kg) | ASTM D1510 | 20 |
| OAN (cc/100g) | ASTM D2414 | 127 |
| Tint (%) | ASTM D3265 | 34 |
| S.R. #325 (ppm) | ASTM D1514 | ≤25 |
| Moisture (as packed) (%) | ASTM D1509 | < 1 |
| Ash (%) | ASTM D1506 | 0.2 |

| Compound Physical Properties | | | KLAREX RG 545 | Lead Competitor 1 | Lead Competitor 2 |
|------------------------------|------------|------|---------------|-------------------|-------------------|
| Mooney Viscosity | ASTM D1646 | MU | 35 | 40 | 46 |
| Hardness | ASTM D2240 | sh-A | 71 | 70 | 73 |
| 100% Modulus | ASTM D412 | MPa | 4.8 | 5.1 | 6.2 |
| Tensile Strength | | MPa | 11.8 | 13.8 | 13.6 |
| Elongation at Break | | % | 284 | 315 | 261 |

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



Himadri

Himadri Speciality Chemical Ltd

Product Highlights

HIMADRI'S KLAREX RG 545 speciality carbon black provides the following competitive advantages:

- Excellent cleanliness.
- High electrical resistivity.
- Lower surface defects in extruded rubber.
- Better dispersion.

Key Applications

- Automotive weather stripping and extruded profiles.
- Automotive coolant and industrial 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

