

PRODUCT BROCHURE

KOHLENSTOFF® Carbon Blacks



Himadri Speciality Chemical Ltd
Unleashing the power of Carbon

PRODUCT BROCHURE

KLAREX RG 223

Mechanical Rubber Goods (MRG)

KLAREX RG 223 is suitable for critical extrusion market, specifically for applications like weather stripping, hoses and profiles with much superior quality in comparison with ASTM N550.

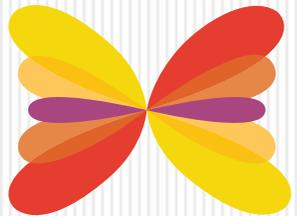
Key Features & Analytical Properties

KLAREX RG 223 has the following features:

- Excellent cleanliness
- Improved processing characteristics
- Low rejection as 'scrap' during manufacturing operation
- Improved dimensional stability in compounds



Properties	Iodine Number (g/kg)	OAN (cc/100g)	Ash Content %	Sieve Residue @ 325 mesh (ppm)
Test Method	ASTM D1510	ASTM D2414	ASTM D1506	ASTM D1514
Typical Value	42	123	<0.3	≤15



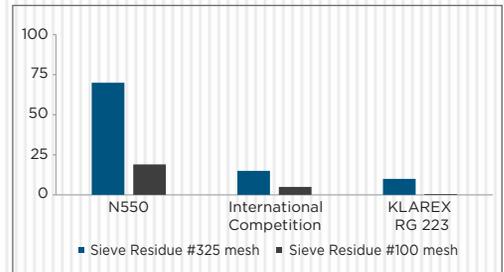
Himadri

Himadri Speciality Chemical Ltd

Cleanliness

KLAREX RG 223 has the following features:

- Sieve Residue of KLAREX RG 223 is substantially less than ASTM N550 at various fineness
- This delivers improved surface finish required for the most demanding applications

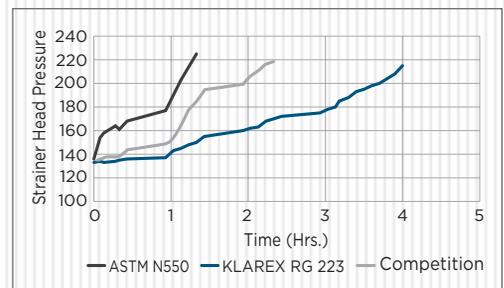


Mechanical Properties of EPDM Compound

- Tensile strength, % Elongation at break and Modulus at various extensions of **KLAREX RG 223** are comparable to N550 and International Competition delivering a dimensionally stable, very smooth extrudate surface
- Compression Set [D 395 (Method B), 70°C, 24 hrs] of **KLAREX RG 223** is 13.1 compared to 13.3 for N550

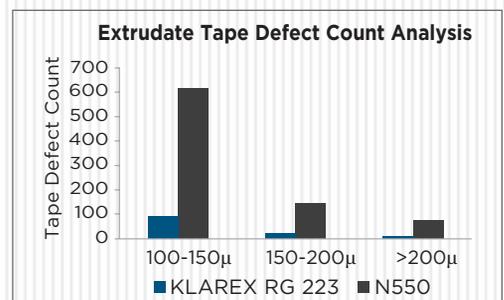
Provides longer filter life

- **KLAREX RG 223** tested in industrial production condition
- Significantly longer filter mesh life observed
 - 2X better than competition
 - 3.5X better than N550



Extrudate Tape Defect Count Analysis

- **KLAREX RG 223** tapes show superior surface finish compared to N550 (indicated by its low visible defect count)



Conclusion

- Grit level and Ash content of **KLAREX RG 223** is much lower than **ASTM N550**, which has led to excellent surface finish of the extruded profiles.
- The **compound throughput** of KLAREX RG 223 is substantially higher than ASTM N550. This is expected to translate to substantially lower in-process scrap generation and increased productivity
- KLAREX RG 223 show substantially lower defect counts in extrudate tape, which will translate to much **superior extrudate surface finish** and **defect free profile surface** at the shop floor conditions