

PRODUCT BROCHURE

KOHLENSTOFF® Carbon Blacks



Himadri Speciality Chemical Ltd
Unleashing the power of Carbon

PRODUCT BROCHURE

KLAREX RG 225

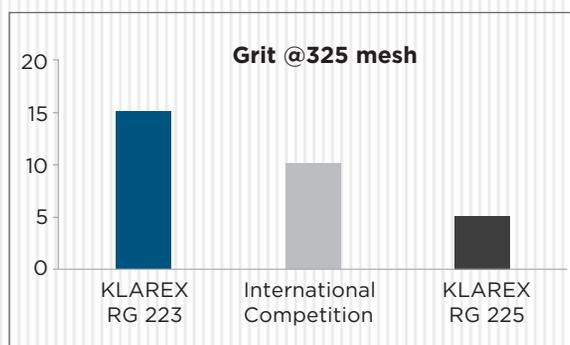
Mechanical Rubber Goods (MRG)

KLAREX RG 225 is an extremely clean grade with low PAH, suitable for critical extrusion market, specifically for applications like weather stripping, hoses and profiles with quality equivalent to benchmark international grades.

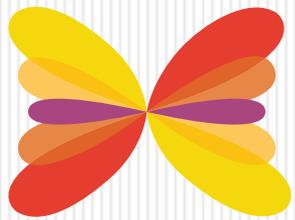
Key Features & Analytical Properties

KLAREX RG 225 has the following features:

- Excellent cleanliness and low PAH (as per EU 1272/2013)
- Improved processing characteristics
- High mesh life and productivity
- Improved dimensional stability and die swell



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	43	123	<0.2	≤5



Himadri

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Cleanest MRG Grade

KLAREX RG 225 has the following features:

- Sieve Residue of KLAREX RG 225 is less than International Competition
- This delivers improved surface finish required for the most demanding applications

Processing: Rheometric Properties

- Rheometric Properties of KLAREX RG 225 - EPDM Compound are comparable to International Competition

Mechanical Properties of EPDM Compound

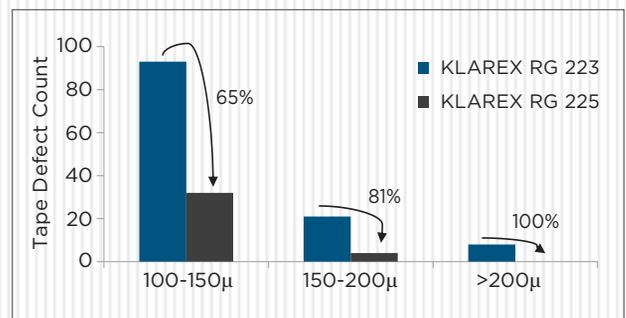
- Tensile strength, % Elongation at break and Modulus at various extensions of KLAREX RG 225 are comparable to International Competition delivering a dimensionally stable, very smooth extrudate surface
- Compression Set [D 395 (Method B), 70°C, 24 hrs] of KLAREX RG 225 is 13.2 compared to 13.6 for International Competition

Exhibits superior Ageing Characteristics

- **KLAREX RG 225** retains higher strain energy density relative to International Competition in accelerated ageing study
- **KLAREX RG 225** compounds will retain and exhibit superior mechanical properties with age

Displays superior surface finish

- **KLAREX RG 225** tapes show superior surface finish compared to International Competition (indicated by its low visible defect count)



65 - 100% defect count reduction
KLAREX RG 223 → **KLAREX RG 225**

