

PRODUCT BROCHURE

KOHLENSTOFF® Carbon Blacks



Himadri Speciality Chemical Ltd

Unleashing the power of Carbon

PRODUCT BROCHURE

KLAREX RG 113

Mechanical Rubber Goods (MRG)

Himadri's KLAREX RG 113 is suitable for high loading capacity, high green strength and low rejection level, specifically for applications like weather stripping, hoses, conveyor belts, wire & cable insulation covers and profile applications with much superior quality in comparison with ASTM N539.

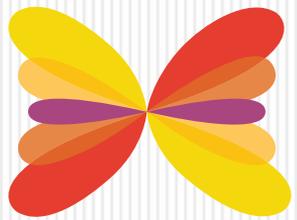
Key Features & Analytical Properties

KLAREX RG 113 has the following features:

- Excellent dispersion
- High loading capacity
- Low grit and ash content
- Improved dimensional stability in compounds
- Smooth extrudate surfaces
- Easier processing of rubber 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	43	111	<0.3	≤15



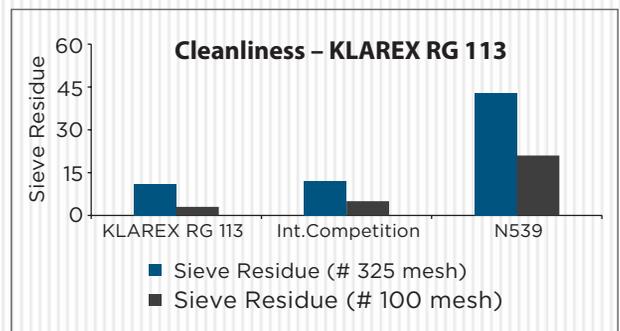
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Cleanest MRG Grade

KLAREX RG 113 has the following features:

- Sieve Residue of KLAREX RG 113 is substantially lower
- This delivers improved surface finish required for the most demanding applications

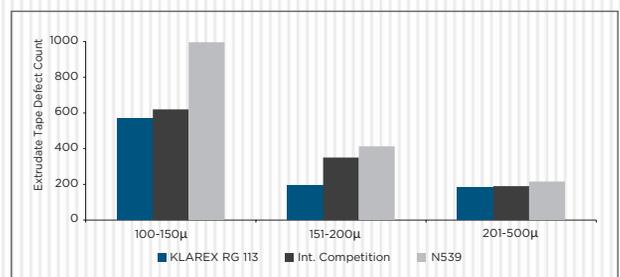


Mechanical Properties of EPDM Compound

- Tensile strength, % Elongation at break and Modulus at various extensions of KLAREX RG 113 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 113 is comparable with International Competition

KLAREX RG 113 displays superior surface finish

- **KLAREX RG 113** tapes show superior surface finish compared to International Competition (indicated by its low visible defect count)



Conclusion

- Grit level and Ash content of **KLAREX RG 113** is much lower than ASTM N539, which exhibits excellent surface finish of the extruded profiles.
- The compound throughput of **KLAREX RG 113** is substantially higher than ASTM N539. This is expected to translate to substantially lower in-process scrap generation and increased productivity.