

PRODUCT BROCHURE

KOHLENSTOFF® Carbon Blacks



Himadri Speciality Chemical Ltd
Unleashing the power of Carbon

PRODUCT BROCHURE

KLAREX RG 227

Mechanical Rubber Goods (MRG)

Himadri's KLAREX RG 227 is suitable for critical extrusion market, specifically for applications like complicated design weather strip, automotive door seals, extruded hoses and profiles, moulded rubber parts.

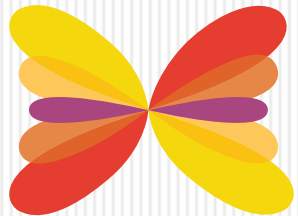
Key Features & Analytical Properties

KLAREX RG 227 has the following features:

- Excellent dispersibility
- Improved processing characteristics
- High-speed processing with smooth surface
- 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	29	120	<0.2	≤15



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Processing: Rheometric Properties

- Low Mooney Viscosity of KLAREX RG 227 exhibits faster and easier processing.

Mechanical Properties of EPDM Compound

- Tensile strength, % Elongation at break and modulus at various extensions of KLAREX RG 227 are comparable to international competition delivering a dimensionally stable surface. Due to its unique morphological properties, KLAREX RG 227 is more resistant to compression set. Lower compression set provides more dimensional stability of the product.

Displays superior surface finish

- Lowest defects level of KLAREX RG 227 is one of the most outstanding properties based on size class.

Conclusion

- The compression set and modulus data of KLAREX RG 227 indicate improved product performance in terms of shape retention during application.
- KLAREX RG 227 shows lower a defect free count in extrudate tape compared to international competition translating to superior surface finish and defect free profile.
- Irreplaceable morphology with low surface area and very high structure combination exhibits less time for mixing with high loadability.

