



CERTIFIED SOLUTIONS FOR PLASTICS UPCYCLING & CIRCULAR ECONOMY

CirKular⁺™ products enable a balanced equilibrium in performance and value enhancement for virgin, bioplastics, and post-consumer (PCR) and post-industrial plastic recycling streams for recyclers, compounders, converters and brand owners.

VALUE CREATION



PERFORMANCE ENHANCEMENT

- ▶ Recyclable Design
- ▶ Maximized PCR Content
- ▶ Formulation Cost Efficiency
- ▶ Tax Incentives with Recycled Materials*
- ▶ Lower CO₂ and Plastic Waste Reduction

- ▶ Enhanced Mechanical Properties
- ▶ Improved Durability & Aesthetics
- ▶ Multi-Material Design Flexibility
- ▶ Versatile End Use & Functionality
- ▶ Increased Process Efficiency



CERTIFIED MIXED PLASTICS COMPATIBILIZERS AND PERFORMANCE ENHANCEMENT ADDITIVES FOR POLYOLEFINIC AND STYRENIC RECYCLING STREAMS

| CirKular+ Series | Compatibilization Series | | | Performance Enhancement Series | |
|---|--------------------------|-------|----------------------|--------------------------------|-------|
| CirKular+ Grade | C1000 | C1010 | C1010 (50% Recycled) | C2000 | C3000 |
| Max Processing T°C | 280°C | 280°C | 280°C | 280°C | 200°C |
| FDA Clearance ¹ | ✓ | ✓ | | ✓ | ✓ |
| Melt Flow, 230° C/5kg (g/10min) | 22 | 34 | 34 | 24 | 11 |
| Polyolefins: PP, HDPE, LDPE, MDPE, Polyolefinic Blends, mPE | ✓ | ✓ | ✓ | ✓ | ✓ |
| PS, HIPS | ✓ | ✓ | ✓ | ✓ | ✓ |
| EVA | ✓ | ✓ | ✓ | ✓ | ✓ |
| EVOH, PVA | ✓ | ✓ | ✓ | ✓ | |
| Wood Fiber & Cellulose | ✓ | ✓ | ✓ | ✓ | ✓ |
| Polylactic Acid | ✓ | ✓ | ✓ | ✓ | |
| PET | ✓ | ✓ | ✓ | ✓ | |
| Polyamides & Nylons | ✓ | ✓ | ✓ | ✓ | |
| ABS | ✓ | ✓ | ✓ | | ✓ |
| PC | ✓ | ✓ | ✓ | | |

¹ Please contact your Sales Manager for details

² Melt Flow, 200°C/5kg (g/10min)

POTENTIAL APPLICATIONS

- Consumer Products
- Automotive
- Rigid Packaging (Food or Non-food)
- Flexible Packaging and Films
- Industrial
- Building and Construction
- Medical

PROCESSING VERSATILITY

- Compounding
- Dry Blending
- Extrusion
- Injection and Blow Molding
- Films Casting
- Thermoforming
- Tie Layer in Multi-layer Structures

KRATON CORPORATION

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