



## 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 CO<sub>2</sub> and Plastic Waste Reduction

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



RecyClass



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

CirKular+ Series	Compatibilization Series			Performance Enhancement Series	
	C1000	C1010	C1010 (50% Recycled)	C2000	C3000
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 <sup>1</sup>	✓	✓		✓	✓
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	✓	✓	✓		

### 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

<sup>1</sup> Please contact your Sales Manager for details

<sup>2</sup> Melt Flow, 200°C/5kg (g/10min)

### KRATON CORPORATION

For more information, visit our website at [www.kraton.com](http://www.kraton.com).

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