



O,Seal™

Actively absorbs and eliminates oxygen. Extending the shelf life of various food products

IRapid™

Speeding up IR heating process for fast and efficient forming







TosaFoam™

Lightweighting of the product and reduction of raw material consumption







CrystalClear™

Nucleating agent solutions for C-PET articles





WhiteSeal™

High quality white MB for PET sheet and film





K-NoIR™

Strong, jet, and opaque NIR sortable black





Fogfree™

Eliminating fog and allowing for full transparency and visibility of the packaging content



T-Stream™

Slip, antiblock, de-nesting, sleeving and various downstream process aids







IVSeal™

Increasing PET IV and processability while maintaining transparency









L-TEC®

Allows laser marking to replace coloring, printing, labelling, or sleeving









BluTint™

Rectifies yellowness and dullnes of rPET





Tosaf Solutions for PET

BluTint™ - Functional color solutions

Challenge	Solution	c/n	Function	Benefits
Color consistency, dull and yellowish rPET	BluTint™	MT603431 EU MT603242 EU MT480571	Rectify and revives color and diminishes yellowness for thermoformed and blow molded PET articles	Enables higher rPET usageLowers carbon footprint
Color consistency, dull and yellowish rPET	Aged Glass™	Various	Transforms your greyish and dull rPET product to an aesthetic ancient product	Enables higher rPET usageLowers carbon footprint

WhiteSeal™ - Opaque and translucent white solutions

Challenge	Solution	c/n	Function	Benefits
Producing a white article with high opacity, high brightness, and high quality in a cost-effective fashion	WhiteSeal™	MT801022 EU MT801066 EU	70% White MB for blow molding, extrusion, and injection molding applications	High quality opaque white Eliminates need for complex and less recyclable multilayered structures
		MT801222 EU	Copolyester-based 70% white MB for PET blow molding and extrusion application	
		MT801028 EU	PETG-based 60% white MB for PET blow molding and extrusion application	
Increasing and guaranteeing long shelf life of milk and other dairy products		MT801801 EU	Super light tight white for ESL and UHT milk PET monolayers blow molded bottles	

K-NoIR™ - NIR-sortable black solutions

Challenge	Solution	c/n	Function	Benefits
Producing a sortable and recyclable black products	K-NoIR™	IR9096ETK EU K-NoIR™	NIR-sortable black MB for blow molding and thermoforming	 Support recyclability and circularity
		IR9097PEK EU	NIR-sortable black MB for C-PET applications	· Non-magnetic

UVSeal™ - UV protection solutions

Challenge	Solution	c/n	Function	Benefits
Increasing the shelf life of UV sensitive products	UVSeal™	UV7263ET EU	UV barrier MB for protecting sensitive content against incoming UV radiation. Can also be used for bulk stabilization	 Fully transparent and non- yellowing Fully recyclable
		UV7264ET EU	UV barrier and stabilizing solution for thin co-ex layers	· Non-SVHC

$\mathrm{O_2Seal^{TM}}$ - Oxygen scavenger and barrier solutions

	Challenge	Solution	c/n	Function	Benefits
		OS4441DP EU	Oxygen scavenger MB for thermoformed PET articles	• Extends shelf life of food products	
	Increasing the shelf life of oxygen sensitive products	O₂Seal™	OS4442DP EU	Oxygen scavenger MB for blow molded PET bottles	 Fully recyclable Replaces multilayered materials Allows for downgauging of PET packaging materials

L-TEC® - Laser marking solutions

Challenge	Solution	c/n	Function	Benefits
Replacing coloring, printing, labelling, and sleeving and offer a more recyclable and circular products	L-TEC®	LM8870ET EU	Transparent laser marking MB for PET articles	High resolution laser markingTransparent backgroundFast and efficient

AASeal™ - Acetaldehyde scavengers

Challenge	Solution	c/n	Function	Benefits
Eliminating off-taste of rPET-bottled water	AASeal™	AA4445ET EU	AA scavenger MB for blow molded PET bottles made with rPET	 Prevents bad off-taste in bottled water Enables higher rPET usage Lowers carbon footprint

Tosaf Solutions for PET

IVSeal™ - Chain extenders

Challenge	Solution	c/n	Function	Benefits
Improving processability and performance of rPET, turning rPET production more time and energy efficient	IVSeal™	CX9123ET EU	Chain extender MB for PET applications, suitable for producers and recyclers	 improves PET processability and properties Saves time and energy in SSP reactor for rPET process Enables higher rPET usage
		CX9124ET EU	Chain extender MB for PET applications, suitable for producers and recyclers	· Lowers carbon footprint

FogFree™ and StatFree™ - Antifogging and Antistatic solutions

Challenge	Solution	c/n	Function	Benefits
Improving appearance of PET food packaging	FogFree™	AF8745WB EU	Antifog coating for PET films, sheets, and thermoformed articles	Immediate and long-lastingactionEasy to apply
		AF9314ET	Antifog compound for PETG sealing co-layers	
		AF9789ET	Antifog compound for PETG sealing co-layers with low sealing temperature	
Preventing accumulation of electric charge	StatFree™	ST8908WB EU	Antistatic coating for PET films, sheets, and thermoformed articles	

IRapid™ - Fast heating solutions

Challenge	Solution	c/n	Function	Benefits
Inconsistencies in bottle shape, size, and wall thickness. Time and energy efficiency of downstream processes	IRapid™	IR9360ET EU	Heating MB for easy, rapid, and stable re-heating of PET blow molded and thermoformed articles.	 Speeds up IR heating process in blow molding, thermoforming, sealing, shrinking etc. Totally transparent Enables higher rPET usage Lowers carbon footprint

T-Stream™ - Downstream and conversion process aids

Challenge	Solution	c/n	Function	Benefits
	T-Stream™	AB9142ET EU AB9140ET EU	Antiblock for PET films, sheets, and blow molded articles	
		AB9304WB EU	Antiblock coating for sheets, films, and thermoformed articles. Silicon-free	
		SL9260WB EU	Highly loaded silicon emulsion for de-nesting of thermoformed articles	Solves typical issues of downstream and conversion processes (film blocking, nesting, sleeving difficulties etc.)
Blocking, nesting, and self-adhering of PET products		SL9235WB EU	Silicon emulsion for de-nesting of thermoformed trays	
		SB9145ET EU SB9135ET EU	Slip-antiblock MB for PET sheets and thermoformed articles, provides antiblocking, reduction of COF and easy de-nesting	
		SB9132ET EU SB9134ET EU	Slip-antiblock for injection molding and blow molding of PET articles Reduces COF, prevents sticking and allows for easy sleeving.	

TopFusion™ - Compatibilizers and modifiers

Challenge	Solution	c/n	Function	Benefits
Inconsistencies of mixed material PCR and related quality and processing issues	TopFusion™ PET	PE2005	Compatibilizer for PE-PA/EVOH- PET scrap	 Improves processability and performance of articles made of PCR
		IP9793PE EU	Compatibilizer for PE applications containing PET-PE scrap	· Lowers carbon footprint



