



Tefabloc™

Soft material solutions (TPE) for comfort and foodstuff preservation



Kitchenware & Babycare



Caps and closures



Seals and grips



**Food Contact
Organoleptic
Control**



**Heat And
Detergent
Resistant**



**Multi Injection
Bonding to PP,
PA, PC/ABS,
GFPA, PET-G...**



**Elastic
Recovery**



**Circular
versions**



Colouring

Food contact applications








Food packaging shall guaranty the highest level of safety, with full compliance to global and regional regulations.

MITSUBISHI CHEMICAL GROUP | Performance Polymers Division offers the highest standards with access to the best raw materials sources. Thanks to this knowledge and its compounding expertise, MCPD develops and produces high performance thermoplastic elastomers, specifically designed for food contact applications.

TEFABLOC™ range for food contact applications:

- TEFABLOC™ TO/TP
Single material parts and 2K overmolding on polyolefins
- TEFABLOC™ TE
2K overmolding on engineering polymers
- TEFABLOC™ TG for circular solutions
Bio or recycled based solutions



		HARDNESS 	MULTI MATERIAL 	ELASTIC RECOVERY 	COLOURING 	SHADE 	FLOW 	CIRCULAR VERSION 	COMPLIANCE (1)	TYPICAL USE	
STANDARD PERFORMANCE	TOFI212	30A<->45D	PP/PE	✓✓	✓✓✓	Translucent	✓✓✓	X	EU 10/2011	bright colours multi-purpose	
	TOFI210	30A<->45D	PP/PE	✓✓	✓✓✓	Translucent	✓✓✓	X	EU 10/2011 FDA 21 CFR	bright colours multi-purpose	
	TOFI902	40A<->90A	PP/PE	✓	✓✓✓	High transparency	✓✓	X	EU 10/2011 FDA 21 CFR	transparent multi-purpose	
	TOFI213	40A<->35D	PP/PE	✓✓	✓✓	Opaque	✓✓✓	X	EU 10/2011 FDA 21 CFR	all colours multi-purpose	
	TPFI310	50A<->90A	PP/PE	✓	✓✓✓	Opaque	✓✓✓		EU 10/2011 FDA 21 CFR	all colours multi-purpose	
ULTRA SOFT DRY TOUCHING	TPFI202	15A<->35A	PP/PE	✓✓	✓✓✓	Translucent	✓		EU 10/2011 FDA 21 CFR	ultra-soft, no tackiness	
	TPFI203	15A<->35A	PP/PE	✓✓	✓✓	Opaque	✓✓		EU 10/2011 FDA 21 CFR	ultra-soft, no tackiness	
HIGH PERFORMANCE	TOFI823	35A<->30D	PP/PE	✓✓✓	✓✓	Opaque	✓✓	X	EU 10/2011 FDA 21 CFR	sealing function hot temperature	
	TOFI631	60 ShA	PP/PE	✓✓✓✓	✓✓	Opaque	✓✓		EU 10/2011 FDA 21 CFR	sealing function hot temperature	
	TOFI242	60 ShA	PP	✓	✓✓✓	Translucent	✓	X	EU 10/2011	high mechanical properties	
	TOFE828 (extrusion)	40A<->75A	PP/PE	✓✓✓	✓✓	Opaque	NA	X	EU 10/2011 FDA 21 CFR	all colours multi-purpose	
2K ENGINEERING MATERIALS	ADHESION TO : PS - PC - ABS - SAN - ASA - PBT - PET - PCTG - SMMA - PMMA - DURABIO™										
	TEFI837	50A<->90A		✓	✓✓	Opaque	✓✓✓	X	EU 10/2011 FDA 21 CFR	seals for caps & closures • grips	
	ADHESION TO : PP - PS - PC - ABS - SAN - ASA - SMMA - PMMA - PET - PCTG - DURABIO™										
TEFI910	65 ShA (52A-80A)		✓	✓✓✓	High transparency	✓✓✓		EU 10/2011 FDA 21 CFR	transparent parts		

(1) PLEASE CONSULT US PRIOR TO ASSIGN MATERIAL

Circular solutions for food contact applications

Thermoplastic Elastomer Solutions are based on carbon chemistries and can not be decarbonized. Tefabloc™ TG is based on alternative carbon feedstocks for various ingredients used in the formulations, in order to improve material circularity and reduce potential GHG emissions.

This is how Performance Polymer Division intends to decouple from prime fossil resources usage.

The promotion of circularity of its compounds and ingredients is developing Value for Mitsubishi Chemical Group and its customers, contributing to achieving KAITEKI, the well-being of people and the planet.



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Feedstock – *choosing the right innovative material*

Recycled, Bio-based, or Bio-circular materials are alternatives to conventional prime and fossil ingredients, to be incorporated gradually in our solutions.


Usage – *maximizing performance and impact*

Direct usage of the selected ingredient for innovative need and high impact sustainability improvement, or introduction through the mass-balance concept for an easy and drop-in solution matching with high food and packaging standards.

Certification – *proving our actions*

Actions towards sustainability must be transparent, effective and proven. Beside certifications offered by Mitsubishi Chemical Group or third party approvals (such as ISCC PLUS), MCG is developing tools to support sustainability claims.

A shared sustainability value for stakeholders, serving KAITEKI and achieving the industry challenges



Mitsubishi Chemical Europe is a wholly owned subsidiary of Mitsubishi Chemical Group.

The company, with headquarters in Düsseldorf, offers and sells highly developed chemical based products. The portfolio includes performance polymers, carbon fiber & composites, polyester films, aluminum and metal composite sheets as well as semiconductor solutions for a wide range of industries.

Performance Polymers Division (MCPPE) is one of the top growing businesses at Mitsubishi Chemical Group. MCPPE delivers innovative solutions based on consistent chemistry based technology, polymer design and thermoplastic compounding expertise. Our commitment is to be your global specialty partner, by developing and delivering unique solutions.

**We lead with innovative solutions
to achieve KAITEKI,
the well-being of people and the planet.**



MITSUBISHI
CHEMICAL
GROUP

Science.
Value.
Life.

MITSUBISHI CHEMICAL EUROPE

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