

**POLYPROPYLENE Lumicene® MR10MX0 grade as produced in Europe**

Type:	Metallocene Random			
CAS RN:	9010-79-1			
Disclosed Ingredients	Unit	Max Level Residual	Ref N°	SML *
<b>Substances with Specific Migration Limit</b>				
Nonitol-1,2,2-trideoxy-4,6:5,7-bis-O-[(4-propylphenyl)methylene]	ppm	4124	38550	5
2,2'-(2,5-thiophenediyl)-bis(5-tert-butylbenzoxazole)	ppm	***	38560	0.6
Glycerides, Castor Oil mono-hydrogenates, Acetates	ppm	100	55910	SML(T): 60**
<b>Dual Use Additives</b>				<b>Restrictions (ppm)</b>
Mono and diglycerides of fatty acid E471	ppm	100	30960	4000
Vegetal Calcium Stearate E470a	ppm	460	89040	

\*SML : Specific Migration Limit as listed in Commission Regulation (EU) n°10/2011

\*\* expressed as the sum of the substances of Group Restriction as referred in (32)

\*\*\* value only available under secrecy agreement

We inform you that Commission Regulation (EU) 2016/1416 established a restriction for plastic materials and articles regarding Aluminum (as Aluminum - SML: 1 mg/kg) and Zinc (as Zinc – SML: 5 mg/kg) and that Commission Regulation (EU) 2017/752 established a restriction for plastic materials and articles regarding Nickel (as Nickel-SML: 0,02 mg/kg). Experimental tests were carried out, for both above restrictions, on the above mentioned product (or a specimen representative of this material) which demonstrate that the above product is not exceeding those migration limits (single use, polymer used at 100% and thickness 1 mm) for long term storage at room temperature or below, including heating up to 70°C for up to 2 hours, or heating up to 100°C for up to 15 minutes.

This information is considered confidential and is only to be used to evaluate the above mentioned product intended for food packaging applications and specifically the additives which are subject to a Specific Migration Limit in food contact regulations and/or the additives which are listed with restriction in the food regulations 1333/2008/EC and 1334/2008/EC.

This disclosure is valid for a period of eighteen months starting from the above-written date and replaces any earlier disclosure which should be considered as null and void. Upon the expiration of this disclosure, we can issue a new one at your request.

Should you have further questions with regards to this disclosure, please do not hesitate to contact us at [rc.fer-regaffairs@total.com](mailto:rc.fer-regaffairs@total.com).

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