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***Declaration of Compliance******Low Density Polyethylene grade***M21N430

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## Food-contact EU

This grade complies with the relevant requirements of:

- Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food, 321/2011 (1/4/2011), 1282/2011 (10/12/2011)
- Commission Regulation (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food (**GMP**)
- National legislations listed below

Migration tests carried on this type of polymer, under the conditions 10 days at 40°C, in the food simulants A, B and D2 show that the Overall Migration Limit of 10 mg/dm<sup>2</sup> food is not exceeded.

This grade contains methacrylic acid as comonomer that is subject to a Specific Migration Limit of 6 mg/kg.

No additives subject to restriction (Specific Migration Limit or Quantitative Maximum) are used.

The above grade does not contain any direct food additives.

Modelling results, under the conditions 10 days at 40°C, in aqueous and fatty food simulants, and at a surface volume ratio of 6 dm<sup>-1</sup> indicate that when this grade is converted under Good Manufacturing Practice (GMP) to manufacture articles, the above SML(s) will not be exceeded.

**Austria:** Kunststoffverordnung Nr. 476/2003 und Änderungen 242/2005, 452/2006, 325/2007, 140/2009, 196/2010 und 45/2011.

**Belgium:** Koninklijk Besluit - Arrêté Royal 3/07/2005 as amended and Arrêté Royal 8/3/2009

**Czech Republic:** Vyhlaska Ministerstva zdravotnictvi c. 38/2001 Sb. 19/01/2001, amended by Vyhlaskami 186/2003 Sb., 207/2006 Sb., 551/2006 Sb., 271/2008 Sb., 386/2008 Sb., 127/2009 Sb.

**Denmark:** Fødevaredirektoratets Bekendtgørelse nr. 579/2011

**England:** Statutory Instruments 2010 No. 1225 and BPF-BIBRA (1995)

**Finland:** KTM Asetukset 953/2002, 141/2005, 181/2005, 762/2006, 1065/2007, 10/7/2009 ja 106/2011

**France:** Brochure N°1227 Edition 2002, Arrêté du 02/01/2003, Arrêté du 29/03/2005, Arrêté du 09/08/2005, Arrêté du 19/10/06, Arrêté du 25/4/2008, Arrêté du 19/11/2008 et Arrêté du 03/09/2010

**Germany:** Bedarfsgegenständeverordnung 23/12/1997 und Änderungen vom 21/12/2000, 07/04/2003, 13/07/2005, 30/11/2006, 20/12/2006, 08/08/2007, 11/02/2008, 30/4/2008, 16/06/2008, 23/09/2009 sowie BfR Empfehlungen A - III, Polyethylene, Stand. 01/03/2011

**Greece:** AXE decision n° 458/2003 modified by decision n° 454/2008

**Ireland:** Regulations 2009, Rule N°56

**Italy:** Decreto Ministeriale 21/03/1973 and subsequent amendments including D.M. of 23/4/09, N° 144

**INEOS****Olefins & Polymers Europe****Low Density Polyethylene grade**

M21N430

**C63 - 4.2**

**Netherlands:** Warenwet (2006) Hoofstuk 1, Kunststoffen

**Norway:** Sosial-og helsedepartementets forskrift of 21/12/1993, n° 1381

**Portugal:** Decreto Lei N. 29/2009 of 2/2/2009

**Spain:** Real Decreto 103/2009 of 6/02/09

**Sweden:** Statens livsmedelsverks kungörelse LIVSFS 2003:2 och ändr. LIVSFS 2004:31, 2005:14, 2005:28, 2006:6, 2006:20, 2008:7, 2009:2, 2011:2

**Switzerland:** Verordnung der EDI über Bedarfsgegenstände 23/11/2005, 3. Abschnitt Bedarfsgegenstände aus Kunststoff

**Whereas Ineos Olefins & Polymers Europe supplies to its customers the adequate information to allow them to fulfil their own responsibilities, the converters do have to check and confirm that the final article meets both the technical and regulatory requirements of the application.**

### ***Food contact US***

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This product is in compliance with Title 21 Code of Federal Regulations (CFR, 2011 Edition) 177.1330 Ionomeric resins.

### ***Toys***

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The above grade meets the requirements of the European Standard EN 71 part 3 and 9, Edition 1995, Filing n° S51-214, Safety of Toys migration of certain elements. Since this grade also meets the requirements for food contact legislations, it is thus suitable for the manufacture of toys and parts of toys.

The above product also meets the relevant requirements of Directive 2005/84/EC.

### ***Phthalates***

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Phthalates are not used as additives or raw materials in the manufacture of the above grade.

### ***Bovine Spongiform Encephalopathy (BSE) Transmissible Spongiform Encephalopathy (TSE)***

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No products of animal origin are used as additives or raw materials in the manufacture of the above grade.

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### ***Genetically Modified Organism (GMO)***

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Among the large variety of polymer additives that we are using, only a few of them may be genetically modified. We would like to comment on the relevance of gene modification techniques to plastic materials. The most significant fact is that the starting substances or additives possibly deriving from genetically modified organisms based materials are manufactured through multi-step conversion and/or purification processes, involving aggressive conditions like high temperature and pressure as well as action of chemically reactive substances. The final plastic materials themselves are produced under high temperature conditions and are further submitted during conversion processes (extrusion, moulding) to high temperature for a significant period of time.

On the basis of current scientific knowledge, it can be stated that no DNA and no proteins from a given organism (genetically modified or not) can resist to such a series of treatments. Therefore, their presence in our polymers and in plastic articles manufactured from them is unexpected.

In conclusion, we confirm that the above grade is safe to be manufactured, processed and used, even if it is manufactured from starting substances or contain additives which may be of genetically modified organism's origin.

### ***End-of life vehicles***

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This grade meets the relevant requirements of Directive 2000/53/EC as amended.

### ***Heavy metals: RoHS, WEEE, Packaging Waste, CONEG***

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This grade meets the relevant requirements of the following Directives or Regulations:

- 2003/11/EC as amended
- 2011/65/EU (RoHS) as amended
- 2002/96/EC (WEEE) as amended
- Regulation (EC) 1907/2006, annex XVII, as amended in Regulation (EC) 1272/2008 (CLP), repealing 76/769/EEC, as amended
- 94/62/EC (Packaging Waste Directive) as amended
- USA CONEG Regulation
- France: Décret n°2007-1467 du 12 octobre 2007 and Code de l'environnement, section 5-Emballages, sub-section 1, Articles R 543-42 to R 543-52

### ***'N' substances***

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None of the additives used in the manufacture of the above grade are classified as dangerous to the environment with the symbol "N" in Annex 1 of the Directive 67/548/EEC (adapted to technical progress for the 29th time by Directive 2004/73/EC).

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## ***Recycling***

This grade is recyclable. Mechanical recycling is the primary option, depending of the requirements of the application and the intended article specification.

It can also be valorized for energy recovery, its high calorific value is around 44 MJ/kg.

Polyolefins are neither biodegradable nor compostable.

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## ***Swiss VOC legislation***

This product is without Volatile Organic Content (VOC) according to "Ordonnance sur la taxe d'incitation sur les composés organiques volatils (OCO) du 12 novembre 1997".

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## ***Ozone layer-depleting agents***

Chlorofluorocarbons (CFC's) and substances related to ozone depleting substances (as defined by the MONTREAL PROTOCOL and listed as class I & II substances by the US Clean Air Act) are not used as additives or raw materials in the manufacture of this grade.

None of the prohibited substances listed in Regulation 2037/2000/EC (Marketing and use of Ozone layer depleting substances) repealed by Regulation (EC) 1005/2009 is used as additives or raw materials in the manufacture of the above grade.

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## ***Nanomaterials and nanotechnology***

Nanotechnology is as an important technology of the 21st century that will open up the door to new developments and performance enhancement of our products, in the area of mechanical strength, barrier properties, surface properties etc.

INEOS understand that these new materials will pose new Product Stewardship questions and challenges, and we are committed to treat them in a responsible way and in particular in full compliance with the related legislation, existing or still to be developed.

Today, INEOS don't yet use nanomaterials in their commercial products, but our R&D teams are considering them as valid alternatives to existing solutions, and they could thus in a foreseeable future become part of some of our products.

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## ***REACH / SVHC***

INEOS is committed to fully respect REACH legislation and will only use fully REACH compliant raw materials.

Polymers are exempt of registration; however, their raw materials must all be registered.

To check the compliance of this product with the next issues of the Candidate List of Substances for authorization, please consult the REACH page at [www.ineospolyolefins.com](http://www.ineospolyolefins.com) (under "Technical Information").

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## ***Absence of substances and chemicals***

None of the following substances are used as additives or raw materials in the manufacture of this grade: However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in this grade.

- Acrylamide
- Allergens (as defined in Directive 2000/13/EC, as amended)
- Aromatic amines
- Asbestos
- Azodicarbonamide or semi-carbazide compounds
- Benzophenone, hydroxybenzophenone and 4-methyl benzophenone
- Biocides
- Bisphenol-A (BPA) and Bisphenol-F (BPF)
- Brominated flame retardants
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC)
- Chlorinated Paraffins
- Decabromodiphenylether (decaBDE)
- 2-Ethylhexanoic Acid (2-EHA)
- Di(ethylhexyl) adipate (DEHA) and di(ethylhexyl) maleate (DEHM)
- Dimethyl Fumarate (DMF)
- Dioxins and furans
- Endocrine Disruptors listed in the Japanese authority list "Strategic Programs on Environmental Endocrine Disruptors '98 (SPEED '98) - Table-3: Chemicals Suspected of Having Endocrine Disrupting Effects"
- Epoxy derivatives:
  - BADGE [2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether],
  - BFDGE [bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ether],
  - NOGE [novolac glycidyl ether]
 as defined in Directive 2002/16/EC amended by 2004/13/EC, repealed by the Regulation 1895/2005/EC
- Epoxidised Soya Bean Oil (ESBO)
- Formaldehyde (formol)
- Isopropyltioxanthone (ITX)
- Latexes
- Melamine and cyanuric acid
- Mercapto mix
- N-ethyl-o,p-toluolsulfonamide (NETSA) (CAS nb 1077-66-1)
- N-ethyl-p-toluenesulphonamide (NE-PTSA) (CAS nb 80-39-7)
- Nonylphenol and its derivatives
- Organo-tin compounds as tributyl-tin (TBT), dibutyl-tin (DBT), monobutyl-tin (MBT)
- Pentabromodiphenyl ether, octabromodiphenyl ether
- Perfluorinated tenside (PFT), Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS) listed in Directive 2006/122/EC
- Poly(aromatic hydrocarbons) according to US Environmental Protection Agency Method 610 (EPA 610)
- Polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), polybrominated terphenyls (PBTs)
- Polychlorinated biphenyls (PCBs), polychlorinated terphenyls (PCTs), polychlorinated naphthalenes (PCNs)
- Polycyclic Aromatic Hydrocarbons (PAH)
- Polyethylene Glycol (PEG)
- Recycled products as defined by Regulation (EC) 282/2008
- Short chained chlorinated paraffins
- Silicone
- Tert-butyl-4-hydroxyanisole (BHA) and 2,6-di-tert-butyl-p-cresol (BHT)

- Thiuram mix
- Titanium Acetyl Acetone (TAA)
- Triclosan (2,4,4'-trichloro-2'-hydroxydiphenyl ether) (CAS nb 3380-34-5)
- Vinyl chloride monomer (VCM) and its polymers or copolymers (PVC, PVDC, ...)
- Substances listed in:
  - California Proposition 65 State regulation as amended
  - GADSL, "Global Automotive Declarable Substance List", as amended
  - IKEA Specification, IOS-MAT-0010, chapter 3 & 6, as amended
  - IKEA Specification, IOS-MAT-0054, as amended

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This certificate will be updated when appropriate. Therefore, it is recommended to visit our website at least once a year.

It is the responsibility of the customer to check compliance of the final articles with the relevant legislation and applicable regulatory requirements including their restrictions.

### ***Notice***

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