

To Whom It May Concern,

November 06, 2025

PRODUCT REGULATORY COMPLIANCE STATEMENT

Grade: Hyosung Polypropylene J642N

We, Hyosung Vina Chemicals, hereby certify that our polypropylene resin complies with the below statement.

1. REACH (Regulation (EC) No.1907/2006) and Substances of Very High Concern (SVHC)

This product does not contain any of the Annex XIV candidate substances (250 substances, 25 June ,2025) proposed to be Substances of Very High Concern above the 0.1% threshold as stated in REACH (Article 57, Regulation (EC) No. 1907/2006).

This product also does not contain any substances on the REACH Annex XVII Restriction Substances list (77 valid entries, 2023).

REACH Registration

Polymers are generally exempted from the provisions on registration of Title II of REACH (Article 2(9)). However, the ethylene and propylene monomers must be registered. For further enquiries, please contact our Technical Service Department.

2. Food Contact

EU Food Contact Compliance

complies with COMMISSION REGULATION (EU) 2023/1442 of 11 July 2023, amending Annex I to Regulation (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food. This regulation concerns changes to substance authorizations and the addition of new substances.

Hyosung Polypropylene contains authorized monomers and additives listed in (EU) No. 10/2011, and their SML (Specific Migration Limits) are not restricted.

The product also complies with the overall migration requirements stated in (EU) No. 10/2011 (10 dm² rule).

Test Item	Test Condition	Test results (mg/ dm ²)
■ 3% Acetic Acid(W/V) Aqueous Solution	40°C for 10 days	within limit
■ 95% Ethanol(V/V) Aqueous Solution	40°C for 10 days	within limit
■ Isooctane	20°C for 2 days	within limit

US FDA regulation in 21 CFR 177.1520

This grade complies with US FDA regulation in 21 CFR 177.1520 with regard to materials and articles intended to come into contact with food.

Test Item	Unit	Result	Limit
■ Density at 23 °C	gm/ml	Pass	0.85-1.00
■ Extractable fraction in n-hexane at 50 °C for 2hours	w/w%	Pass	5.5 max
■ Soluble fraction in xylene at 25 °C for 2 hours	w/w%	Pass	30.0 max

3. Heavy Metals

No heavy metals (i.e., antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium) are purposely added to this product in quantities that would violate government guidelines. The summation of Lead, Mercury, Cadmium and hexavalent chromium in this product is less than 20ppm. Polybrominated biphenyls (PBB), Polybrominated diphenyl ether (PBDE), Hexabromocyclododecane are not intentionally added to this product. This product therefore meets the relevant requirements of the following Directives or Regulations:

- Restriction of Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) – EU Directive 2011/65/EC and amendments (November 2021)
- Coalition of Northeastern Governors (CONEG) Model Toxics in Packaging
- Packaging and Packaging Waste 94/62/EC and amendment (May 2018)
- Waste Electrical and Electronic Equipment (WEEE) – EU Directive 2002/96/EC and 2012/19/EU
- End of Life Vehicles (ELV) – EU Directive 2000/53/EC

4. PFAS

Our resin and our raw material suppliers do not directly add any Per - and Polyfluoroalkyl Substances (PFAS) ingredients into the raw materials. The products do not come in contact with any Per - and Polyfluoroalkyl Substances (PFAS) material during the manufacturing process, which includes processing, handling, and packaging.

5. Animal Derived Material/BSE/TSE

This product is not intentionally manufactured with animal fats, oils, milk products or other animal- or tallow- derived products.

6. Conflict Minerals

The manufacture of this product does not involve addition of tin, tantalum, tungsten, gold and minerals associated with these metals (Columbite-Tantalite, Cassiterite, Gold, Wolframite).

Other Chemical substances

The following chemical substances are not intentionally added in the manufacture of or formulation of this product.

No.	Substance Name	No.	Substance Name
1.	Adipates	29.	Nano Materials
2.	Aromatic Amines	30.	Nitrosamines
3.	Azo compounds	31.	Nitrosatable Substance
4.	Biocide/Pesticide	32.	N-Ethy-toluenesulfonamide (ortho/para)
5.	Blowing agent	33.	Nonylphenol
6.	Brominated & Chlorinated substances	34.	Octyl- or Nonylphenols or -phenoethoxylates;
7.	Chlorophenols	35.	Organic tin compounds/Alkyltin compounds
8.	Chlorinated aromatic hydrocarbons	36.	O-alkyl (C≤10, Incl. Cycloalkyl) (Me,Et,n- Pr or I-Pr)- phosphonofluoridates
9.	Chlorinated plastic, Polyvinyl chloride (PVC) & its blends, Polyvinylidene chloride & its blends	37.	O-alkyl (C≤10,incl. Cyclically)N,N-dialkyl (Me,Et,n- Pr or I-Pr) phosphoramidocyanidates
10.	Dioxins	38.	O-alkyl (C≤10,incl. Cycloalkyl) S-2-dialkyl (Me,Et,n-Pr or I- Pr) -aminoethyl alkyl (Me,Et,n-Pr,IPr) phosphonothiolate and its alkylated or protonated salts
11.	Ditertbutyl peroxide	39.	S-2-dialkyl (Me,Et, n-Pr or I-Pr)-aminoethyl= hydrogen= alkyl(Me,Et,n-Pr,I-Pr) phosphonothiolate and its alkylated or protonated salts
12.	Enamel	40.	O-alkyl (C≤10 ,incl. cycloalkyl) O-2-dialkyl (Me, Et, n-Pr or i-Pr) -aminoethyl alkyl (Me, Et, n-Pr or I-Pr) phosphonites and its alkylated or protonated salts
13.	Epoxy derivatives	41.	O-2-dialkylethyl (Me, Et, n-Pr or i-Pr) = hydrogen = alkyl (Me, Et, n- Pr or i-Pr) phosphonites and its alkylated or protonated salts
14.	Ethylene Glycol Ethers	42.	Optical Brighteners
15.	Flame retardant	43.	Perfluorinated Chemicals
16.	Fragrances	44.	Phenols
17.	Genetic Modified Organism	45.	Polybrominated Biphenyls
18.	Isocyanates	46.	Polybrominated Diphenyl Ethers
19.	Halogen (Cl, Br, F)	47.	Polychlorinated Naphthalenes
20.	Halogenated Phenols	48.	Polychlorinated and polybrominated Biphenyls
21.	Hydrofluorocarbon, Perfluorocarbon	49.	Polychlorinated and polybrominated Terphenyls
22.	Long-chained chlorinated paraffins	50.	Polycyclic aromatic hydrocarbons

23.	Medium-chained chlorinated paraffins	51.	Quartz
24.	Melamine and derivatives	52.	Radioactive substances
25.	Microbial	53.	Recycled materials
26.	Mineral Oil Aromatic Hydrocarbons	54.	Silicone / Siloxane
27.	Mineral Oil Saturated Hydrocarbons	55.	Shortchain Chlorinated Paraffins
28.	Natural rubber or latex	56.	Softeners

Disclaimer

The above information supplied is to the best of our knowledge. However, since the actual conditions of use and the specific uses of our products are beyond our control, the user necessarily assumes all risks of their uses. As such, all users must make their own determination that the uses of our products are safe, lawful, and technically suitable in its intended applications. This information in no way modifies amends, enlarges, or creates any specification or warranty. This information sheet is neither a quality assurance certificate not an approval permit and shall not be used for legal litigation purposes.



**Chief of PP Technical Department
HYOSUNG VINA CHEMICALS**