



## MATERIAL CERTIFICATION

JSP certifies that all Black, White and Colored Standard Grade ARPRO® Expanded Polypropylene (EPP), Black and White Standard Grade ARPRO® Porous Expanded Polypropylene (PEPP), all Black, White and Colored Standard Grade ARPAK® Expanded Polyethylene (EPE) and all Black and White Standard Grade ARPEX® Cross-linked Expanded Polyethylene (xEPE) foam beads comply with the IMDS Standard 001, ELV European End-Of-Life Vehicle Directive (2000/53/EC)<sup>1</sup>, and Restricted or Hazardous Substances (RoHS) Vehicle Directive (2002/95/EC), and Restriction or Hazardous Substances (RoHS) Electrical and Electronic Equipment Directive (2011/65/EU), as amended per Regulation Directive (EU) 2015/863 and (EU) 2019/1021, and do not contain any substances above the reportable threshold limits, including; Asbestos, Arsenic (As) or Arsenic Compounds, Lead (Pb) or Lead Compounds, Mercury (Hg) or Mercury Compounds, Cadmium (Cd), or Cadmium Compounds, Chromium VI (Cr-VI) or Chromium Compounds, Polychlorinated Dibenzo Dioxins (PCDD), Polychlorinated Dibenzo Furans (PCDF) Polychlorinated Biphenyls (PCB), Polybrominated Biphenyls (PBB), Perfluorinated Compounds (PFC) Halogenated Compounds (including Chlorinated Compounds, Chlorosulfonated Compounds, and Chlorobenzene), Brominated Compounds (including PBDE, BDE and HBCDD), Formaldehyde, Chlorofluorocarbons (CFC), Hydrochlorofluorocarbons (HCFC), Perfluoroalkylated Substances (PFAS); including Perfluorooctanesulfonic Acid (PFOS), Perfluorooctanoic Acid (PFOA) and it's salts, Phthalates; including Di(2-Ethylhexyl) Phthalate (DEHP), Dibutyl Phthalate (DBP) and Butylbenzyl Phthalate (BBP), Diisobutyl phthalate (DIBP), Organic Tin Compounds; including Dibutyl Tin (DBT), Dimethyl Tin (DMT), Tributyl Tin (TBT), Tributyl Tin Oxide (TBTO), and Triphenyl Tin (TPT), BNST (Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4-Trimethylpentene), nor do they contain Alkylphenols, Bisphenol A (BPA), Short-Chain Chlorinated Paraffins, Latex Compounds, Polyvinyl Chloride (PVC), Polyvinylidene Chloride Compounds (PVDC), Chlorinated Polyvinyl Chloride (CPVC) Compounds or Medium Chain and/or Long Chain Chlorinated Paraffins (MCCP's and LCCP's); and contain no additional compounds listed therein.

This certification applies to all above mentioned ARPRO® EPP®, ARPRO® PEPP, ARPAK® EPE, and ARPEX® xEPE expanded foam bead product grades and includes products molded with the above mentioned ARPRO® EPP, ARPRO® PEPP, ARPAK® EPE, and ARPEX® xEPE material in accordance with the JSP's established manufacturing process standards and procedures. None of these substances listed above per the referenced industry requirements are intentionally added or used as an additive or raw material in the manufacture of this product.

ARPRO® EPP, ARPRO® PEPP, ARPAK® EPE, and ARPEX® xEPE are registered in the Global International Material Database System (IMDS) and meet the Global Automotive Declarable Substances List (GADSL)<sup>2</sup> requirements for declarable substances.

Steven R. Sopher  
Technical Director  
JSP Resins, LLC

06 January 2021

Date

<sup>1</sup>Note: Including Annex II of 2000/53/EC. Material meets End-Of-Life recycling requirement per EU Directive 2000/53/EG, EU Directive 2005/64/EC for Reusability, Recyclability and Recoverability, EU Directive 94/62/EC for Packaging & Packaging Waste, and EU Directive 2002/96/EC Waste Electrical and Electronic Equipment (WEEE).

<sup>2</sup>Note: per latest Global Automotive Declarable Substance List (GADSL) update; 01 FEB 2020.

