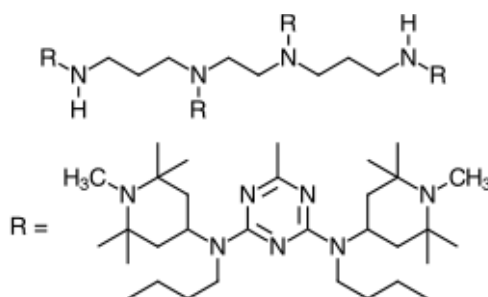


PUREsorb 119

High Molecular Weight Sterically Hindered Amine Light Stabilizer

Description **PUREsorb 119** is one of high molecular formula weight ultraviolet light stabilizers with good migration resistance and low volatility. It is an effective antioxidant which provides significant long-term heat stability for polyolefins and elastomers.

Chemical Structure



Chemical name N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl) amino) triazin-2-yl)-4,7-diazadecane-1,10-diamine

CAS number 106990-43-6 **Molecular weight** 2286 g/mol

Features & benefits broad compatibility with polymers; easily dispersed; HMW product with high thermal stability, preventing volatilization and decomposition at elevated temperatures; no interaction with polymer during processing; easy handling and dosing

Application **PUREsorb 119** is particularly effective in PP, PE, PVC, PU, PA, PET, PBT, PMMA, POM, LLDPE, LDPE, HDPE, polyolefin copolymers. For any application where polymer is exposed to light degradation, the concentration levels range typically between 0.1% and 0.5%. It can be combined with any other additives such as UV absorbers, antioxidant packages, plasticizers and antistatic agents.

Handling & Safety **PUREsorb 119** should be handled in accordance with good industrial practice. Detailed information is available in the corresponding SDS.

Physical Properties

Product form	Light yellow crystalline powder or granular		
Melting range	115 – 150°C		
Max VOC	1%		
Density (20°C)	1.019 g/cm ³		
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution		
- Acetone	2.0	- Chloroform	20.0
- Ethyl-acetate	1.0	- Ethanol	5.0
- Methanol	1.0	- n-hexane	1.0
- Methylene Chloride	20.0	- toluene	25.0
- Xylene	20.0	- Water	<0.01

TECHNICAL DATA SHEET

Polygel Product Management

Email: info@polygelbrunei.com



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November' 2019