

## TECHNICAL DATA SHEET

### INTRODUCTION :

UV-329 is a low volatile, highly efficient 2-(2'-Hydroxy-5'-tert-octylphenyl) benzotriazole. Acts as a UV absorber (300-400 nm) and light stabilizer. Compatible with polystyrene, polyolefin, unsaturated polyester, PC, rigid PVC, acrylic and ABS resin. Prevents yellowing and degradation. It can be used with antioxidant & improves resistance to climate and heat stability. Designed for transparent products and plastics processed in high temperatures.

| PARAMETERS              | UV 329   |       |
|-------------------------|--|-------|
| Chemical Name           | 2-(2'-Hydroxy-5'-tert-octylphenyl) benzotriazole |       |
| CAS No                  | 3147-75-9  |       |
| Molecular weight        | 323.4  |       |
| Appearance              | white powder                                     |       |
| Purity                  | ≥99 %  |       |
| Melting point           | 103.0~105.3 °C                                   |       |
| Specific Gravity @ 25°C | 1.1 g/cm <sup>3</sup>                            |       |
| Transmittance           | 460 nm   | ≥97 % |
|                         | 500 nm   | ≥98 % |

| PROPERTIES   | APPLICATION & DOSAGE |
|--|----------------------|
| 1: This product is an excellent high-efficiency , aging-preventing agent ,which can effectively absorb 270-380nm UV light .<br>2: Non-flammable, non-explosive , non-toxic ,harmless to health .<br>3: This product almost does not absorb visible light , particularly applicable to colorless and light-colored products .<br>4: This product is suitable for polyester, rigid PVC ,PS,PMMA,PC,ABS resin,etc . It effects better in a transparent products and engineering plastics under high temperature processing . This product can also be used for polyolefin . | PS : 0.2-0.5%        |
|  | ABS:0.3-0.5%         |
|  | PE:0.2-0.4%          |
|  | PVC: 0.2-0.5%        |
|  | Polyester :0.3-0.5%  |

**PACKAGE:** 25KG/CTN

**SAFETY INSTRUCTIONS:** Please refer to SDS for more information

For more information ,please visit : [www.chemnovo.com.cn](http://www.chemnovo.com.cn)