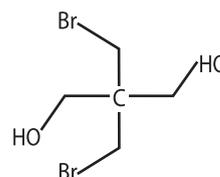


FR - 522 (DBNPG)

Flame Retardants®

Chemical name:	Dibromoneopentyl glycol
Formula:	$C_5H_{10}Br_2O_2$
CAS Number:	3296-90-0
Br%:	60.0
MW:	261.9



General & Use:

FR-522, dibromoneopentyl glycol, a reactive flame retardant, contains 60% aliphatic bromine. Its high purity (FR-522 is typically 99% pure), is of benefit to the formulator. Thermosetting polyester resins can be formulated over a wide range of compositions to provide a broader selection of resin properties than those available with anhydride flame retardants. Resins formulated with FR-522 have high chemical and flame resistance, minimal thermal discoloration and excellent light stability.

The high bromine content of FR-522 and its ready reaction into polyurethanes make it suitable for use in rigid polyurethane foams. It is increasingly used in CFC-free foam systems designed to meet more stringent standards of flame retardancy.

For health & safety matters please refer to MSDS.

Typical Properties:

Appearance OFF-WHITE CRYSTALLINE POWDER

Bromine Content %	60
Specific Gravity	2.23
Assay (GC) %	99
Melting Point °C	109.5
Moisture (Karl Fischer) %	0.08
Hydroxyl content %	13
Hydroxyl Value mg KOH/g	420
Color Gardner (molten)	3

Thermogravimetric Analysis (10° C/min, air):

Weight Loss(%)	°C
2	200
5	225
10	245

Solubility

g/100 g solvent, at:	25°C	40°C	100°C
Acetone	83		
Carbon tetrachloride	0.5		
Isopropanol	52		
Methanol		187	
Water	2		
Xylene	0.5		100

Please note that the values indicated do not constitute specification limits. To obtain current specifications, refer to your local Sales Office/Representative or ICL-IP Head Office at address herein.

Storage and Handling:

Store in a dry, cool and well-ventilated area. Avoid exposure to moisture. Avoid exposure to heat and to sunlight

For more information please contact your local ICL office.



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