



Plastic & polymer additives and solution supplier  
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# Technical Data Sheet

## ProFlame - B465

**Chemical Name:** Tetrabromophthalate diol (TBDP)

**Equivalent Brand:**

B465 = RB79 , PHT-4 Diol

B4651 = RB7970

B4652 = RB7980

B4653 = RB9130

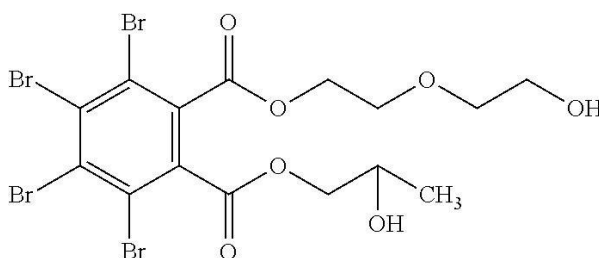
B4654 = RB9170

**EC NO.:** 20566-35-2

**CAS NO.:** 77098-07-8

**Chemical Formula:** C<sub>15</sub>H<sub>16</sub>O<sub>7</sub>Br<sub>4</sub>

**Molecular Weight:** 627.8



**Tech Spec:**

ITEMS	B465	B4651	B4652	B4653	B4654
APPEARANCE	Light Amber Ropy Liquid				
Hydroxide value (mgKOH/g)	130-235	140-160	160-180	120-140	160-180
Viscosity CP at 25 °C	20000-9000 0	2-4500	6500-1050 0	4-6000	2-4000
Bromine,%	45	42.5	43.5	43	42
Chlorine,%	0	2.8	1.9	0	0
Acid ,mgKOH/g	0.20 max	0.20 max	0.20 max	0.20 max	0.20 max
Moisture,%	0.1max	0.1max	0.1max	0.1max	0.1max

**We can adjust Viscosity according to Customer's requirement.**



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**Application:**

B465 is recommended as a reactive flame retardant for Class 1 and Class 2 rigid polyurethane foam. B465 foams can be formulated for excellent physical properties with favorable economics. Other application areas include polyurethane RIM, elastomers, coatings, adhesives and fibers.

B465 is high viscosity , you can mixture with TCPP or CF-11 to use . This can reduce its viscosity.

**Package and Storage:**

B465 is packed in 250kg galvanized iron drum.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt.

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