

BDP (flame retardant ABS)

Description Proprietary halogen-free, phosphorus-based flame retardant.

Applications BDP flame retardant provides a halogen-free solution for flame retarding PC/ABS, PPO/HIPS and other polymers.

Properties

Colour ,APHA	<40
N=1 proportion	>85%
Acid Number mg KOH/g	<0.1
Phosphorus, %	8.9
Specific gravity	1.26
Viscosity (cPs at 25 °C)	>5000
Solubility at	25 °C, % wt.
Water	< 0.003
Toluene	> 50
Hexane	0.18
Acetone	> 50

TGA (TA Instruments, model 2950, 10 °C/min under N2)

1% weight loss, C°	261
5% weight loss, C°	378
10% weight loss, C°	403
50% weight loss, C°	458

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