



Technical Data Sheet (TDS)

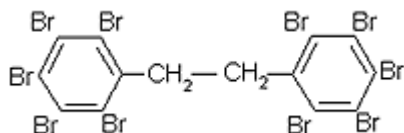
Product name: Decabromodiphenyl ethane

Product code: Phlamoon-102

Molecular Weight: 917.2

CAS: 84852-53-9

Empirical formula : C₁₄H₄Br₁₀



Features:

It has very good thermal stability, high bromine content and is hardly soluble in all solvents. It can be used in a wide range of styrenic polymers, engineering resins, wire & cable covers, insulators, elastomers and thermosetting plastics as well.

Specifications

Appearance	White or light yellow powder
Total Bromine Content, %	≥81.5
Water Content, %	≤0.1
Whiteness	≥90
Free Bromine, mg/kg	≤10
Eutectic Temp, °C	≥348
Particle Size (d50), um	1~5
TG5%, °C	≥345

Benefits:

1.DBDPE is a wide-ranged, white powdered and additive type fire retardant widely used. It has very good thermal stability, high bromine content and it exhibits good UV resistance. It has a lower transudation as compared to other fire retardant of bromine series, so it is especially suitable for slap-up materials used to produce computer, electrograph, telephone, manifold, household electrical appliances etc.

2.DBDPE does not produce poisonous DBDO and DBDF when thermal cracking and burning. The materials fire-retarded by it is completely meeting European dioxin ordinances and are environmental friendly.

3.DBDPE is acutely not toxic, not teratogenic, and it is not harmful to fish. It is qualified for environmental protection.

4.DBDPE is quite stable for use in some systems. The engineering resins using it can be recycled during using.

5.DBBDPE reduces the disadvantageous effects compared to traditional fire retardant DBDPO and has a strong light stability and low transudation.

Dose Recommended:

Fire retarded polymer	SLFR-2 Dose	Sb2O3 Dose	UL94(1.6mm) grade
PP+14% te	22	6	V-0
HIPS	12	4	V-0
ABS	15	4	V-0
PS	14	5	V-0
PBT	10	5	V-0
Thermoplastic elastomer	18	9	V-0
XLPE	21	7	V-0
Thermosetting EP	6	3	V-0
Disenhanced PA(Nylon 66)	14	5	V-0
Enhanced PA (Nylon 66)	14	5	V-0
LDPE	6	2	/
HDPE	8	3	/

The dose may differ from the above diagram during using by users, the data above is only for reference.

Packing and transport information

Packing: In 25KG WPP bag with inner PE bag

1FCL 20#=20mt with pallet

Transport: General chemicals

More information and MSDS, please contact us by E-mail: sulichem@suli.com