

BHS Marketing

Western Briquette

Maleic Anhydride

Formula: (CHCO)₂O
Chemical Name: 2.5-Furanedione
Physical Properties:

Molecular Weight: 98.06
Boiling Point, °C: 199.9
Solidification Point, °C: 52.8
Specific Gravity, 20/4°C solid: 1.48
60°C-140°C liquid: 1.314-1.219
Refractive Index, n^{25D} (solid): α=1.4429 β=1.4781 τ=1.6384
Flash Point, °C (closed cup): 102
Vapor Pressure, mmHg. 20°C (solid): 0.16
Autoignition Temperature, °C: 477

Specifications:

Property	Test Method	Specified Limit
Purity, % wt	JIS K-0114	99.5min
Appearance molten	JIS K-4101	clear
pastille		white
Color, APHA	ASTM D-3366-74	20max
Heat stability APHA		
140°C·90min	ASTM D-3364	40max
Solidification point °C	JIS K-0065	52.5min
Ash content (ppm)	JIS K-0067	20max
Iron content (ppm)	JIS K-0121	5max
Maleic Acid (wt%)	JIS K-0124	0.3max
Acid value(mg KOH/g)		1140-1155

Use: Raw material for Unsaturated Polyester resins, Alkyd resins, Fumaric acid, THF N-Methyl Pyrrolidone, τ-Butyrolaotone, Rosin soap, Additive for lubricating oils, Agricultural chemicals, Plasticizers, Reforming agent for resins.

Hazard: Inflammable substance, explosive limits in air 3.4-7.1%. Threshold Limit value (TLV): 200 ppm in air.

