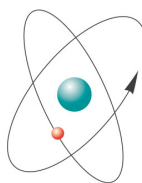


RESOURCE CHEMICAL LTD

RESOURCE HOUSE, HIGH STREET, BRACKLEY, NORTHANTS, NN13 7DS,
 TEL: +44(0)1280 843800
 FAX: +44(0)1280 701745

**RESOURCE**

Web page: www.resourcechemical.co.uk
 E-mail: sales@resourcechemical.ltd.uk

MATERIAL SPECIFICATION

Product name: Potassium Hydroxide Moulded Pieces
Product code: 7619

General Properties

Chemical Formula	KOH
Dimensions	Length: 38 - 40mm Width: 28mm Thickness: 15mm
Description	Anhydrous, white solid prone to hydration and carbonation on exposure to air. Material is free from any animal and transgenic vegetable origin

Physical Properties	Unit	Analysis
Apparent Density at 20° C	° C	0.9
Melting Point Temperature	° C	200
Boiling Point Temperature	° C	370
Specific Heat at 25° C	Kcal/kg	0.24
Specific Heat at 20° C of aqueous solutions		

KOH %	KOH en g/l	Specific Gravity at 20°C en g/cm³	Viscosity in CPo
21.4	256.6	1.200	1.6
30.2	389.2	1.290	2.35
40.3	564.3	1.400	3.6
50.0	756.0	1.512	8.0

PACKING

25 Kg net bags on pallets. Bags are woven polypropylene single layer with external polyethylene lamination (5H3 certified), bags packaged in one ton pallets covered with polyethylene (LDPE) stretch film.

USES

Preparation of Potassium salts: Carbonates-Phosphates-Nitrates-Permanganate-Xanthates-Iodides
 Detergents: Principally Industrial Types
 Formulation of Fertilizers in Solution:
 Other applications includes: Insecticides/Herbicide manufacture-pigment production-additives for rubber industry-photographic industry-pharmaceutical industry-alkaline batteries-etc

The above information has been provided by the supplier and Resource Chemical Ltd accepts no responsibility for the correctness of any details.

**REGISTERED OFFICE: RESOURCE HOUSE, HIGH STREET, BRACKLEY, NORTHANTS, NN13 7DS
 REGISTERED IN ENGLAND NUMBER 2003690**

Specification		Average Analysis	Test Method
% KOH	≥ 89.5	90.3	acidimetry
% K ₂ CO ₃	≤ 1	0.15	"
% Na	≤ 0.85	0.40	emission flame
mg/kg Cl	≤ 20	5.7	mercurimetry
mg/kg Fe	< 5	1-3	Ferric thiocyanate
mg/kg SiO ₂	10-20		
mg/kg KClO ₃		< 1	
mg/kg K ₂ SO ₄		< 1	
mg/kg Al		< 2	
mg/kg Ni		4	
mg/kg Zn		< 0.5	
mg/kg Pb		< 0.2	
mg/kg Mo		0.3	
mg/kg Cu		< 0.10	
mg/kg Cr		< 0.02	
mg/kg Mn		< 0.05	
mg/kg Co		< 0.02	
mg/kg As		0.5	
mg/kg Hg		0.01	
mg/kg PO ₄		15-20	
mg/kg F		< 2	

Date: May 2001
Revision 3
amended: 29.09.09

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