

CARBSORB 30 AND 40

Applications

Carbsorb 30 and 40 are bituminous coal based granular activated carbons designed to provide cost effective solution for water and liquid phase applications. They are suitable for use in potable water treatment, groundwater remediation, home water filtration and for industrial applications where the removal of organics is required.

Characteristics

Coal based granular carbons have several properties which explain their performance in a wide range of applications.

- The absorption capacity allows for effective removal of organic contaminants, taste and odour.
- Bituminous coal base produces a product with high hardness ensuring excellent resistance to abrasion caused by transport, mechanical stress, and backwashing.
- Product mesh size allows for limited pressure drop.

Specifications	Carbsorb 30	Carbsorb 40
Iodine number, Min., mg/g	900	900
Hardness Number, Min.	90	90
Moisture Content, as packed, max.% w/w	2	2
Max. % > 2.36mm	15	-
Max. % > 1.70mm	-	5
Max. % < 0.60mm	4	-
Max. % < 0.42mm	-	4
Typical Properties	Carbsorb 30	Carbsorb 40
Methylene blue number	230	260
Total Surface Area m ² /g	900	900
Backwashed and Drained Bed Density kg/m ³	420	420
Effective Size	0.9	0.6
Uniformity Coefficient	1.8	1.8
Mean Particle Diameter, mm	1.6	1.0
Dechlorination Half Length, cm	4	2

208EA complies with **EN 12915** and is manufactured to **ISO 9001:2000**.

Safety Note

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed

ISSUE DATE JUNE 2019

www.irwin-aggregates.com

Irwins Quality Aggregates 55 Gortgonis Road, Coalisland, Co. Tyrone, BT71 4QG
Tel: 028 87 740362 Fax: 028 87 747473