C-NERGY™ ACTILION GHDR GRAPHITE ACTIVE MATERIALS FOR BEV / CE / ESS MARKETS



## YOUR SOLUTION FOR HIGH ENERGY DENSITY

Imerys Graphite & Carbon C-NERGY<sup>™</sup> Actilion GHDR active materials are a solution specifically developed for applications requiring high energy density and are ideal for use in cylindrical and prismatic cells.



# ACTIVE MATERIALS FOR CYLINDRICAL AND PRISMATIC LITHIUM-ION CELLS

## C-NERGY<sup>™</sup> ACTILION GHDR 15-4:

⊘ High reversible capacity

### C-NERGY™ ACTILION GHDR 10-4:

#### **C-NERGY™ ACTILION GHDR OVERVIEW**

GHDR 15-4

4.1

13

17

23

1.1

364

93.0

BEV / ESS /

High Energy

Cylindrical /

Prismatic

**GHDR 10-4** 

4.7

8

12

18

1.1

361

89.2

Power tool /

HEV / High

power

Cylindrical /

Prismatic

Second Excellent low temperature performance	e in power to	in power tool batteries Reversible Capacity		PRODUCT	
Reversible Capacity	Rev			BET	m²/g
Cycling Stability Coulombic Effic	ncy Cycling Stability Coulombic Efficiency		ombic Efficiency		D10
HT Storage High Current Discharge HT Storage			gh Current scharge	PSD/M	D50
					D90
LT Performance Fast Charging LT Performance Fast Charging - C-NERGY™ products - Market benchmark Fast Charging				TAP DENSITY g/cm <sup>3</sup>	
				CAPACITY mAh/g	
SEM image of GHDR					ICY %
CHARACTERISTICS	KEY BENEFITS INCLUDE			APPLICATION	1
<ul> <li>Proprietary Surface Coating which enables significantly improved performance in Li-ion batteries</li> </ul>	🔗 Environmentally friendly	🔗 High capacity			
	S Low resistance	esistance 🧭 High efficiency		CELL FORM FACTOR	
	<ul> <li>Lower temperature properties improvement</li> </ul>	Solution Improved safety	Carbon Layer Interface Graphite		

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