

Hydrometallurgy

PRODUCT NAME	INDION MSR	INDION TCR	INDION BSR
Applications	Selective adsorption of bivalent mercury from industrial effluents.	Selective recovery of mercury and precious metals.	Decalcification of secondary brine in chloralkali industry.
Resin Type	Chelating resin	Chelating resin	Chelating resin
Matrix Type	Styrene DVB	Styrene DVB	Styrene DVB
Functional Groups	Thiol	Thio Uronium	Amino Phosphonic
Standard Ionic Form	H ⁺	H ⁺	Na ⁺
Particle size range – mm	0.3 – 1.2	0.3 – 1.2	0.3 – 1.2
% Moisture	38 to 43	41 to 47	55 – 65
Max. Operating Temperature °C	80	80	70
Total Exchange Capacity, meq/ml	3.6*	1.6	1.2
Volume change %	-	-	-

* meq / dry g

PRODUCT NAME	INDION SIR	INDION 790	INDION 236
Applications	Extraction and recovery of metals, removal of heavy metals from various organic or inorganic chemical products	Recovery of metals from aqueous and non aqueous streams	Recovery of metals from aqueous and non aqueous streams
Resin Type	Chelating resin	Macroporous Strong Acidic Cation	Gel Weak Acidic Cation
Matrix Type	Styrene DVB	Styrene DVB	Crosslinked polyacrylic
Functional Groups	Imino diacetic	- SO ₃ ⁻	H ⁺
Standard Ionic Form	Na ⁺	H ⁺	0.3 – 1.2
Particle size range – mm	0.3 – 1.2	0.3 – 1.2	46 – 54
% Moisture	45 – 50	51 – 55	100
Max. Operating Temperature °C	70	120	
Total Exchange Capacity, meq/ml	0.9	1.9	4.0
Volume change %	-	Na ⁺ to H ⁺ 2 to 6	H ⁺ to Na ⁺ 80 to 120