

## Product Data Sheet

**DIAION™ RCP160M**

DIAION™ RCP160M is a highly porous type strongly acidic cation exchange resin. It has higher cross-linkages and surface area. A wide range of applications, especially in a field of catalysts, is recommended.

**Product**

Grade Name	DIAION™ RCP160M	
Type	Strong Acid Cation	
Matrix	Styrene-DVB, Highly Porous	
Functional Group	Sulfonic Acid	
Ionic Form	H <sup>+</sup>	

**Specification**

Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	1.5 min.
Water Content	%	45 - 55
Particle Size Distribution on 710 μm	%	25 max.
Ionic Form Conversion H Form	eq%	97 min.
Residual Acid	pH	5 min.

**Typical Properties**

Shipping Density	g/L	740
Mean Particle Size	μm	530
Particle Density	g/mL	1.19
Total Swelling (Na <sup>+</sup> to H <sup>+</sup> )	%	2

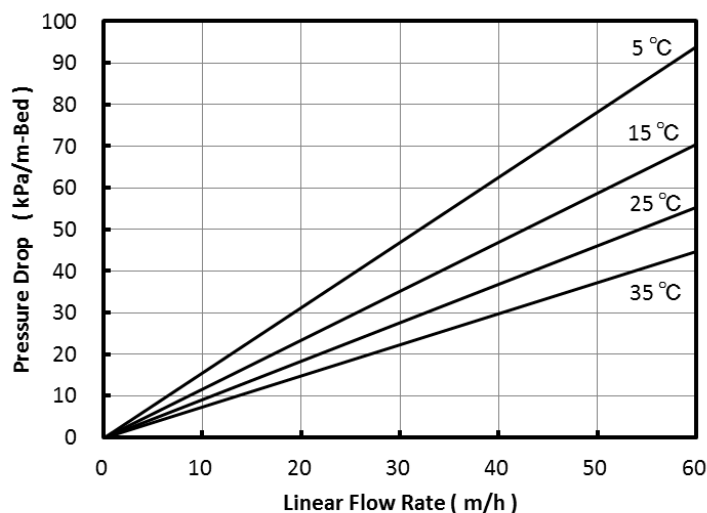
**Recommended Operating Conditions**

Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	m/h	10 - 60
Regenerant		HCl H <sub>2</sub> SO <sub>4</sub>
Regenerant Concentration	%	HCl 4 - 10 H <sub>2</sub> SO <sub>4</sub> 1 - 4
Regenerant Level	g/L	50 - 200
Regenerant Flow Rate	m/h	2 - 10
Total Rinse Requirement	BV	2 - 10

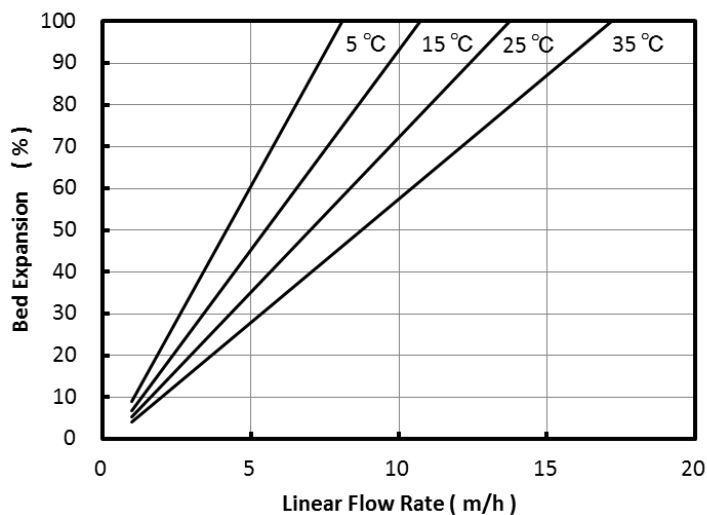
# DIAION™ RCP160M

## Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ RCP160M resin in normal down flow operation is shown in the graphs below.



**Fig. 1 Pressure Drop of RCP160M**



**Fig. 2 Bed Expansion of RCP160M**

## Notice

This information are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The application, use and processing of our products are beyond our control and therefore your own responsibility.