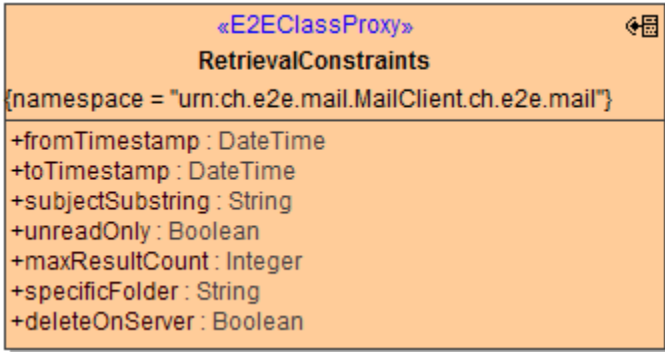# Mail Retrieval Constraints

All mail retrieval classes offer a method to retrieve mail objects by specifying an instance of **RetrievalConstraints**. Retrieval will then evaluate the provided constraints and return only those messages that match. Only provided attributes will be evaluated, so you can provide a value for e.g. **fromTimestamp** and leave all remaining attributes empty, resulting in retrieval of all messages received after **fromTimestamp**.

Figure: The RetrievalConstraints Class

Class **RetrievalConstraints** has the following attributes:

Attribute Name	Description	Allowed Values	
fromTimestamp	only emails received after the given DateTime will be retrieved	any valid **DateTime** object	
toTimestamp	only emails received before the given DateTime will be retrieved	any valid **DateTime** object	
subjectSubstring	only emails whose subject line contains the given String will be retrieved	any String	
unreadOnly	only emails flagged as unread on the server will be retrieved	true/false (default false)	
maxResultCount	limits the size of resulting array of retrieved objects to the given value	any positive Integer (default unlimited)	
specificFolder	only emails from the specified folder will be retrieved	any valid folder name (default "INBOX")	
deleteOnServer	specifies whether retrieved objects shall be immediately deleted on the server	true/false (default false)	