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The minimum co-degree threshold for a perfect matching in a  $k$ -graph with  $n$  vertices was determined by Rödl, Ruciński and Szemerédi for the case when  $n \equiv 0 \pmod{k}$ . Recently, Han resolved the remaining cases, establishing a conjecture of Rödl, Ruciński and Szemerédi. In this paper, we determine the minimum co-degree threshold for almost perfect matchings, answering a question of Rödl and Ruciński. (Received September 19, 2016)