

High Wear Resistant Screw " LSP-M " Debut !

In recent years, increasingly high wear and corrosive resistance has been required for plastics processing extruders along with the development of high-performance plastics filled with high concentration of glass fiber, ceramics, ferrite, or the like.

To meet demanding requests of users, JSW has developed "LSP-M" screw. It achieved high wear resistance approx. 20 times above the conventional JSW "LSP-2" in a certain production machine. Here, we introduce some advantages of LSP-M.

Comparison of wear-resistant and corrosion-resistant ability

Fig. 1 and Fig. 2 show comparison of wear resistance and corrosion resistance among the new developed LSP-M and the existing screws of JSW.

For example, in a production extruder for ceramic compounding, metal particles from screw wear in products have been dramatically reduced to 1/20 with LSP-M screws. That was highly appreciated by the customer.

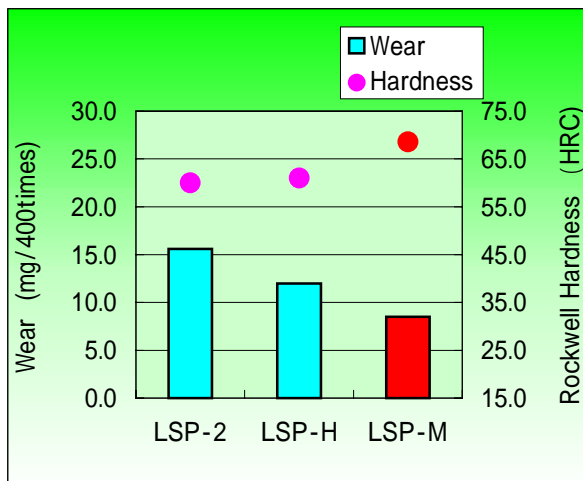


Fig.1 Abrasive Resistance Test

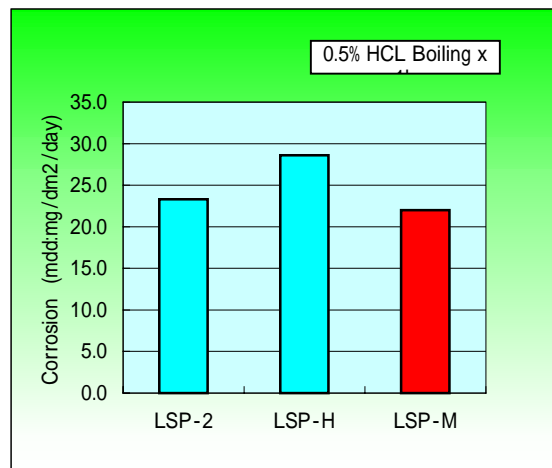


Fig.2 Corrosion Resistance Test

As just described, LSP-M has excellent wear resistance while keeping high corrosion resistance comparable to LSP-2. This material is also available for strand dies. Sharp edge can be kept for longer time because of high wear resistance and it helps reduce polymer sticking around die outlet.

Now, we can supply LSP-M screws up to TEX105 size to meet customers' demand.



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