



Application Success Story

Title: PGM20 & TOF200 for Sealant Tire application

Application Description

This is a new application for Sealant tire manufacturing process. The typical applications are injection, spraying and strip. But, this is a bead dispensing. The TOF200 melts and pumps the hot melt material to the PGM20. The PGM20 provides a precise and constant bead through Endure valve to inside of Tire. The robot controls bead positions. The flow rate is 800cc / min

Main Challenge Solved

The customer wanted to dispense a hot melt sealant inside of tires. Graco suggested demo test with TOF200 and Heated AOPR and Heated endure valve. But, it could not make a precise bead. Finally, we provided the PGM20 to this system. We could get the right result and the customer was satisfied with it. They will invest several systems next year.

Material Information

Manufacture:
Customer developed
Product name:
Hot melt sealant
Temperature:
120~140 C
Approx Viscosity:
50,000~70,000 cps at processing temperature

Application/Product Photo



Equipment Selection

Main Equipment:
PGM20, TOF200
Part Number:
PG2236, TOF200B-2-B-1-P-6-2-B-E-3-N-N-N-N-N-N-N
Applicator:
Heated Endure Valve(244909)
Accessories:
Heated hoses(115885)

Graco Sales Person:
Jason Kim
City/Country of Application: Gwangju / Korea

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