## Solution Partner

# Introduction of SM800 New Generation Grade of Injection Molding



# LUCENE<sup>TM</sup> SM800

#### **LUCENE™ Technology**

✓ LUCENE SM800 is the up-to-date HDPE based on LG's proprietary Metallocene technology.

### **Characteristics & Advantages**

- ✓ High fluidity and Easy processing▷ Benefits of lower processing temperature
  - ① Energy saving
  - ② Decrease in trouble (black spot, flow mark, etc)
  - ③ Increase in productivity: Reduced cycle time
- ✓ Improved stress cracking resistance (ESCR)

#### **Application**

- ✓ Caps & Closures for still mineral water and juice
- ✓ Cartridge & Pail

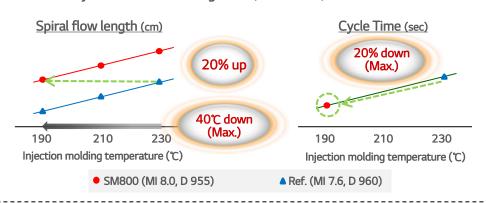






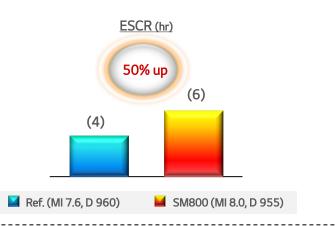
#### Spiral flow length

- ✓ Excellent processing performance
   ▷ 20% higher flowability and low processing temperature (Max. 40°C)
- ✓ Shorter cycle time and cooling time (Max. 20%)



#### **Crack resistance**

✓ Better ESCR property▷ Potentiality of weight lightening



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