

# HMSPP (High Melt Strength Polypropylene)

LOTTE Chemical's HMSPP is a polypropylene material with high melt strength, and can be blow molded, thermoformed, foam molded, or injection molded thanks largely to its excellent material properties and melt tension, ideal for applications that require complex or hard-to-implement molding techniques.



High melt tension



High Modulus



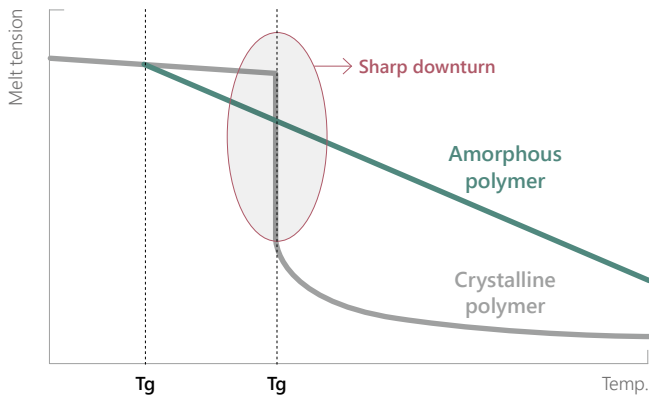
Processability



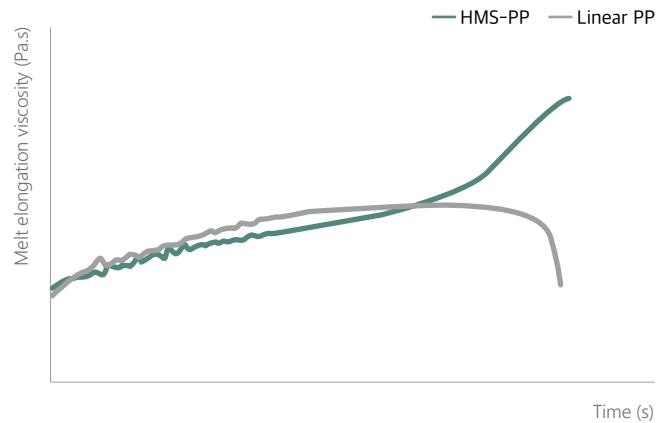
Recycling

## High Melt Strength Polypropylene

### Change in melt tension of crystalline polymer – Low melt tension



### Strengthening melt tension



Strengthening melt tension and expanding processing window (injection molding range) by adopting side branch



Linear PP



Long Chain Branched PP (HMSPP)

## Line-up & Applications

Grade	SMS-514	SMS-514F	SMS-733W
Melt Index(g/10 min)	2.4	2.4	1.8
Applications	Foam, Thermoforming		Wire Sheath