

Product data sheet

➤ Caps and closures (CSD)



★ CC52502SU

CC52502 is a Narrow MWD HDPE specially designed for mineral water bottles and beverage caps. This grade has excellent organoleptic properties which prevent unpleasant odor and taste from cap or closure to transfer to water. It has good gas permeability characteristics, superior processability and excellent mechanical strength. HDPE CC52502SU does contain slip agent and stabilized against UV light.

HDPE: CC52501

Characteristic Properties



Narrow MWD HDPE, excellent organoleptic property, superior processability and excellent mechanical strength, good gas permeability characteristics

Density: 0.952 - 0.954

Typical Applications



- Caps and closures for mineral water bottles, Caps for sparkling water and carbonated soft drinks, beverage caps.

MFI: 1.9 - 2.3

Additives



Antioxidants/ Acid scavenger
UV stabilizer/Slip agent

Resin Properties	Unit	Value	Test Method
Melt Index	g/10 min	2.1	D1238
Density	g/cm ³	0.952	D1505
Thermal Properties	Unit	Value	Test Method
Vicat Softening Point	°C	124	D1525
Molded Properties	Unit	Value	Test Method
Flectural Modulus	Mpa	1000	D790
Tensile Strength at Yield	Mpa	25	D790
Tensile Strength at Break	Mpa	38	D638
H.D.T	°C	78	D648
Notched Izod Impact @ 23 °C	J/m	180	D256/A

- On compression molded according to ASTM D1928C

Processing Conditions

Recommended barrel temperatures range is between 160 °C and 190 °C