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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 | **Density: 0.952 ± 2** | **MFI: 2 ± 0.1**

Characteristic Properties

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

Typical Applications

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

Additives

Antioxidants/Acid scavenger UV stabilizer/Slip agent

Resin Properties	Unit	Value	Test Method
Melt Index	g/10 min	2	D1238
Density	g/cm³	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 Strenght at Yield	Mpa	25	D790
Tensile Strenght 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 tempratures range is between 160 °C and 190 °C

Product Capacity of LLDPE plant

	GRADES	PROPERTY	MFR (190°C/2.16 kg)	Density	
		UNIT	(g/10 min).	g/l	
		ASTM METHOD	D 1238	D 1505	
		INTERNAL METHOD	17066	17004	
	5- HP-VLDPE SPECIALITY PRODUCTS				
	01X01	Co-extrusion	0.90 ± 0.10	902 ± 1	
	02X02	Geomembranes, Bumpers, Soft Nets	1.80 ± 0.20	903 ± 1	
	6- HDPE - Medium MWD - Stretched				
Available	Jamlene HD-5000s	Monofilament	0.80 ± 0.10	954 ± 1	New
	424F5	Raffia (Textile grade)	0.50 ± 0.10	942 ± 1	
	534F7	Monofilament, high tenacity	0.70 ± 0.10	953 ± 1	
	50401	Monofilament	1.00 ± 0.10	950 ± 2	
	7- HP-HDPE (@) SPECIALITY PRODUCTS				
	36XF6	Raffia for ropes	0.60 ± 0.10	936 ± 1	
	43X01	Monofilament	1.00 ± 0.10	943 ± 1	
	41X01	Cast flat yarn (Raffia)	1.20 ± 0.10	941 ± 1	
	8- HDPE Narrow MWD - Homopolymer injection moulding grades				
Available	60505 / 60505 UV	Crates	5.50 ± 1.00	958 ± 2	
Available	60507 / 60507 UV	Crates	7.50 ± 1.00	958 ± 2	
Available	60511 / 60511 UV	Houseware	11.00 ± 2.00	958 ± 2	
	60518	Fast cycle	18.00 ± 2.00	958 ± 2	
	60535	Thin walled	35.00 ± 5.00	958 ± 2	
	9- HDPE Narrow MWD - Copolymer injection moulding grades				
Available	CC 52501	Caps and closures (CSD)	0.90 ± 0.10	952 ± 2	New
Available	CC 52502	Caps and closures (Mineral water, CSD)	2.00 ± 0.10	952 ± 2	New
Available	CC 52502SU	Caps and closures (CSD)	2.00 ± 0.10	952 ± 2	New
Available	52505 / 52505 UV	Containers	5.00 ± 1.00	952 ± 2	
Available	52511 / 52611 UV	Houseware	11.00 ± 2.00	952 ± 2	
Available	52518	Houseware, High fluidity	18.00 ± 2.00	952 ± 2	
	52528	Caps, Thin walled	28.00 ± 4.00	952 ± 2	
	10- LLDPE (butene) Injection moulding grades				
	20505	General purpose	5.00 ± 1.00	922 ± 1	
	20516	General purpose	16.00 ± 2.00	922 ± 1	
	25525	Lids	25.00 ± 3.00	925 ± 1	
	26560	Fast Cycle	60.00 ± 5.00	926 ± 1	