

DAELIM

HDPE

5502HS

Product information

Manufacturer	DAELIM INDUSTRIAL CO., LTD.
Color	NC
Material Shape	Pellets
Process	Blow molding
Material Attribute	Food Contact grade
Features	High impactHigh stiffnessGood moldabilityGood processability
Application	Bleach bottleCosmetic bottlesDetergent bottleFood containerShampoo bottleBottlesVials
Additives	Antioxidant

Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Break	ASTM D638	500	%
Flexural	Modulus	ASTM D790	14000	kg/cm ²
Izod	Notch Impact 23°C	ASTM D256	70	kg-cm/cm
Tensile	Strength Yield	ASTM D638	310	kg/cm ²
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.960	g/cm ³
Environmental	Stress Crack Resistance F50 Condition B	ASTM D1693	50	hr
Melt	Index 190°C 2.16kg	ASTM D1238	0.18	g/10min
Thermal	Condition	Standard	Value	Unit
Melting	Temperature	ASTM D3418	134	°C
Vicat	Softening Temperature	ASTM D1525	129	°C