

Data Sheet
Date Prepared:

HDPE JH910

YUCLAIR JH910/JH910U are high density polyethylene resins with narrow molecular weight distribution. They offer high stiffness and impact resistance combined with good processability and low warpage. These resins are particularly suitable for the production of tote boxes, pails and crates. JH910U contains UV-stabilizer, for use in products requiring out-door weathering resistance.

Application / Use Case

Injection Molding / spray, crate, paint bottle

Specification

	Specification	Unit	Test Method
Density	0.962	g/cm ³	ASTM D1505
Melt Index	8.5	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Softening Point(Vicat)	124	°C	ASTM D 1525
Tensile Strength at Yield	260	kg/cm ²	ASTM D638
Tensile Strength at Break	100	kg/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
IZOD Impact Strength(Notched, 23°C)	8.0	kg cm/cm	ASTM D256
Brittleness Temperature	<-80	°C	ASTM D746
Flexural Modulus	12000	kg/cm ²	ASTM D790

These are typical properties only, and are not to be construed as specific limits.

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