

# YUCLAIR® JH910

High Density Polyethylene  
SK Global Chemical

Message:

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.

General Information			
Additive	UV Stabilizer		
Features	Good Processability		
	Good UV Resistance		
	Good Weather Resistance		
	High Impact Resistance		
	High Stiffness		
	Low Warpage		
	Narrow Molecular Weight Distribution		
Uses	Bottles		
	Crates		
	Pails		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	26.5	MPa	
Break	9.81	MPa	
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	124	°C	ASTM D1525

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Recommended distributors for this material

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