

## High Density Polyethylene JV060U

### Description:

JV060U is a High Density Polyethylene injection molding grade, designed to achieve high stiffness, dimensional stability, mechanical strength and high impact resistance at low temperatures. It also presents good processability.

It contains antioxidants and UV stabilizer additives.

### Application:

Caps, crates for industrial, transportation or fishing uses, buckets, stands and pallets, trash containers, bottle cases, safety helmets, cages for poultry transportation and sporting goods.

### Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	7.0
Density	D 792	g/cm <sup>3</sup>	0.957

### Typical Properties:

Plaque Properties<sup>a</sup>

	ASTM Methods	Units	Values
Tensile Strength at Yield	D 638	MPa	28
Flexural Modulus – 1% Secant	D 790	MPa	1350
Shore D Hardness	D 2240	-	65
Notched Izod Impact Strength	D 256	J/m	40
Vicat Softening Temperature at 10 N	D 1525	°C	126
Deflection Temperature under Load at 0.455 MPa	D 648	°C	70

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

### Recommended Processing Conditions:

JV060U has been developed for injection molding under conditions comparable to High Density Polyethylene of similar Melt Flow Index.

Recommended temperature profile: 160 to 230°C.

