

Braskem PE JV060U

High Density Polyethylene

Braskem

Message:

Description:
JV060U is a High Density Polyethylene, narrow molecular weight butene-1 copolymer, 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.

General Information	
Additive	Antioxidant UV Stabilizer
Features	Antioxidant Butene Comonomer Copolymer Food Contact Acceptable Good Dimensional Stability Good Processability Good Strength Good UV Resistance High Density High Stiffness Low Temperature Impact Resistance Narrow Molecular Weight Distribution
Uses	Bottles Caps Containers Crates Industrial Applications Outdoor Applications Pallets Safety Helmets Sporting Goods
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.957	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
50°C, 2.00 mm, 10% Igepal, Compression Molded, F50	10.0	hr	
50°C, 2.00 mm, 100% Igepal, Compression Molded, F50	15.0	hr	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	28.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1360	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	71.0	°C	ASTM D648
Vicat Softening Temperature	125	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	160 to 230	°C	
NOTE			
1.	Loading 1 (10 N)		

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