Tabriz 6070 UA HDPE

Categories: Polymer; Thermoplastic; Polyethylene (PE); High Density (HDPE); High Density Polyethylene (HDPE), Injection Molded

Material Notes: HD6070UA is high density polyethylene copolymer containing butene-1(C4) as comonomer with medium content of light stabilizer additives. It is suitable for general purpose injection molding items. HD6070UA has good impact strength, easy processing, high warpage resistance, high rigidity, UV stabilized. This grade has food contact approval. Applications: crates, boxes, seats.

Information provided by Tabriz Petrochemical Commercial Co.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in³	ASTM D1505
Melt Flow	7.0 g/10 min @Load 2.16 kg	7.0 g/10 min @Load 4.76 lb	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
Charpy Impact, Notched	0.500 J/cm²	2.38 ft-lb/in²	ASTM D6110

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 °C	248 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Yellow Index	-1.00 %	-1.00 %	ASTM E313

Descriptive Properties			
Contamination (No.)		5	BP137
Whiteness Index		60	ASTM E313

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's terms of use regarding this information. Click here to view all the property values for this datasheet as they were originally entered into MatWeb.