

High Density Polyethylene HDI0661U1

Description:

HDI0661U1 is a high density polyethylene with a narrow molecular weight distribution, developed for injection molding segment. Parts made from this material exhibit a shiny surface and good impact strength and stiffness. This resin contains UV light stabilizing additives.

Applications:

Trays, containers, pallets, boxes, pails and buckets

Processes:

Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	6.20
Density	D 792	g/cm ³	0.961

Typical Properties¹

Feature	Method	Units	Values
Tensile Strength at Yield	ASTM D638	MPa	30
Tensile Strength at Break	ASTM D638	MPa	27
Strain at Yield	ASTM D638	%	5
Strain at Break	ASTM D638	%	925
Elasticity Modulus (Secant 1%)	ASTM D638	MPa	1500
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1510
Izod Impact Strength ³	ASTM D256/A	J/m	55
ESCR (100% Igepal) ²	ASTM D 1693	h	5

¹ Test specimens from compression molded plaque according to ASTM D4703.

² Condition B.

³ Test temperature at 23°C.

Final Remarks

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