

Qenos PE HD0390

High Density Polyethylene

Qenos Pty Ltd

Message:

HD0390 is an injection molding grade of High Density Polyethylene combining excellent impact resistance with high density, hardness, stiffness and toughness.

HD0390 is intended for use in the production of stackable transport, storage and bottle crates and industrial moldings demanding very good mechanical properties. Addition of a UV stabilizer should be considered where the intended application involves intermittent to extended exposure to sunlight.

Suitability for use in any application should be determined by appropriate performance testing.

General Information			
Features	Good Toughness		
	High Density		
	High Hardness		
	High Impact Resistance		
	High Stiffness		
Uses	Crates		
Agency Ratings	AS 2070-1999 4.1.1(a)		
	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	49.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C)	38	J/m	ASTM D256A

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