

Qenos PE HD0790

High Density Polyethylene

Qenos Pty Ltd

Message:

HD0790 is an injection molding grade of High Density Polyethylene with a good balance between flow and impact resistance.

HD0790 is intended for use in production of moldings such as sealant cartridges, crates and closures. 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 Flow		
	Good Impact Resistance		
Uses	Closures		
	Crates		
	Sealing Devices		
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	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	47.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C)	32	J/m	ASTM D256A

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