Qenos PE HD0490

High Density Polyethylene

Qenos Pty Ltd

Message:

HD0490 is an injection moulding grade of High Density Polyethylene combining excellent impact resistance with high density, hardness, stiffness and toughness.
HD0490 is intended for use in the production of stackable transport, storage and bottle crates and industrial mouldings 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.
HD0490 is suitable for food contact applications and conforms to the requirements of the United States Food and Drug Administration CFR 21 177.1520, paragraph (c) item 3.1.

General Information			
Features	Food Contact Acceptable Good Impact Resistance High Hardness High Stiffness Ultra High Toughness		
Uses	Crates Industrial Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.955	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness	46.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (-30°C)	45	J/m	ASTM D256A

Recommended distributors for this material

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