

Qenos PE HD0397UV

High Density Polyethylene

Qenos Pty Ltd

Message:

HD0397UV is a highly UV stabilized injection molding grade of High Density Polyethylene combining excellent impact resistance with high hardness, stiffness and toughness.

HD0397UV is especially designed for the production of moldings demanding the combination of food contact suitability, very good mechanical properties and a high level of UV stabilizer to give protection for outdoor use. Suitability for use in any application should be determined by appropriate performance testing.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Toughness		
	Good UV Resistance		
	High Density		
	High Hardness		
	High Impact Resistance		
	High Stiffness		
Uses	Non-specific Food Applications		
	Outdoor Applications		
Agency Ratings	AS 2070-1999 4.1.1(a)		
	FDA 21 CFR 176.170(c), Table 2 2		
	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	46.0	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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