

# Qenos PE HD0499UV

High Density Polyethylene

Qenos Pty Ltd

Message:

HD0499UV is a highly UV stabilised injection moulding grade of High Density Polyethylene combining excellent impact resistance with high hardness, stiffness and toughness.

HD0499UV is especially designed for the production of mouldings demanding the combination of food contact suitability, very good mechanical properties and a high level of UV stabiliser to give protection for outdoor use. Suitability for use in any application should be determined by appropriate performance testing.

HD0499UV 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			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Hardness		
	High Stiffness		
	Ultra High Toughness		
Uses	Outdoor 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/cm <sup>3</sup>	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

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