

Qenos PE HD1099UV

High Density Polyethylene

Qenos Pty Ltd

Message:

HD1099UV is a highly UV stabilised injection moulding grade of High Density Polyethylene with a good balance between flow and impact resistance. HD1099UV is intended for use in the production of high quality mouldings such as crates and tote boxes requiring 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. HD1099UV 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 Flow		
	Good Impact Resistance		
Uses	Crates		
	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	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	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)	30.0	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

