

Qenos PE GE4760

High Density (MMW) Polyethylene

Qenos Pty Ltd

Message:

GE4760 is a medium molecular weight, easy flow High Density Polyethylene blow moulding grade.

GE4760 is particularly suited to high speed production of thin-walled dairy and fruit juice bottles. Suitability for use in any application should be determined by appropriate performance testing.

GE4760 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 Flow		
	Medium Molecular Weight		
Uses	Bottles		
	Fruit Juice Bottles		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.60	g/10 min	
190°C/5.0 kg	2.5	g/10 min	
Environmental Stress-Cracking Resistance	40.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C)	900	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

