

Qenos PE GM7655

High Density (HMW) Polyethylene

Qenos Pty Ltd

Message:

GM7655 is a high molecular weight extrusion blow moulding grade of High Density Polyethylene with extremely good ESCR. GM7655 is used for the production of small to medium blown containers and for the production of sheet and thermoformed containers. Suitability for use in any application should be determined by appropriate performance testing. GM7655 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 High ESCR (Stress Crack Resist.) High Molecular Weight
Uses	Containers Sheet Thermoformed Containers
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1
Forms	Pellets
Processing Method	Extrusion Blow Molding Sheet Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.949	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.20	g/10 min	
190°C/5.0 kg	0.60	g/10 min	
Environmental Stress-Cracking Resistance	2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C)	290	J/m	ASTM D256A

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