

Qenos PE HD5148

High Density Polyethylene

Qenos Pty Ltd

Message:

HD5148 is a premium quality blow moulding resin specifically designed for use in high speed reciprocating screw blow moulders, and where ESCR is not a requirement. It allows maximum production efficiency of reduced weight containers.

HD5148 is primarily intended for the manufacture of milk bottles, cream containers, fruit juice and cordial bottles.

HD5148 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 2.1.

General Information			
Features	Food Contact Acceptable		
Uses	Bottles		
	Containers		
	Food Containers		
	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
Density	0.960	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.85	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	700	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	28.0	MPa	
Break	29.0	MPa	
Tensile Elongation (Break)	600	%	ASTM D638

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