

# Kemcor HD 4003

High Density Polyethylene

Qenos Pty Ltd

Message:

This resin is manufactured to conform to the requirements for unrestricted food contact of AS 2070 Part 1 (1992).  
HD 4003 meets the following specifications:  
ASTM D1248 - 1984 III A4 Grade E9  
BS 6234 - 1987 Type HO3

General Information			
Features	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Rigidity		
Uses	Closures		
	Containers		
	Cosmetics		
	Packaging		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Injection Blow Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	650	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	25.0	MPa	
Break	26.0	MPa	
Tensile Elongation (Break)	620	%	ASTM D638
Injection	Nominal Value	Unit	
Processing (Melt) Temp	185 to 205	°C	

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Recommended distributors for this material

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