

Kemcor HD 1155

High Density (HMW) Polyethylene
Qenos Pty Ltd

Message:

This resin meets the requirements for unrestricted food contact specified in AS 2070 Part 1 (1992).

General Information			
Features	Good Chemical Resistance		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Automotive Applications		
	Industrial Containers		
	Marine Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.040	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 3.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	600	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	25.0	MPa	
Break	26.0	MPa	
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	920	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220	°C	
Injection Pressure	14.0	MPa	
Screw Speed	48	rpm	

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