

Alkathene® WRM124

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

WRM124 is a low density polyethylene which offers excellent gloss and flow / toughness ratio coupled with a low tendency to warp.
WRM124 is high flow grade designed specifically for reseal lids, housewares and toys.
WRM124 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		
	Good Toughness		
	High Flow		
	High Gloss		
	Low Warpage		
Uses	Household Goods		
	Lids		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Antarox CO-630, F50)	0.317	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	42		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	8.90	MPa	ASTM D638
Tensile Elongation ² (Break)	290	%	ASTM D638
Flexural Modulus	158	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-40°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	45.0	°C	
1.8 MPa, Unannealed	34.0	°C	
Vicat Softening Temperature	84.0	°C	ASTM D1525

NOTE

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| 1. | 50 mm/min |
| 2. | 50 mm/min |

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