Qplast™ QPLJ 5025

Linear Low Density Polyethylene

Qplast™ QPLJ 5025 is a narrow molecular weight ethylene 1-butene copolymer developed for applications requiring easy processability. It provides excellent toughness and tear resistance, making it well-suited for freezer food packaging applications.

Supplier	Qplast
Additive	Thermal Stabilizer: Yes
Applications	• Housewares • Protective Caps • Closures and Dispensers • Freezer Lids
Form(s)	Pellets

Resin Properties

	Typical Value (English)		Typical Value (SI)		Test Method
Density	0.925	g/cm³	0.925	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	50	g/10 min	50	g/10 min	ASTM D1238
Peak Melting Temperature	250	°F	121	°C	ASTM D1238

Molded Properties

Tensile Strength at Yield	2000	psi	14.0	MPa	ASTM D638
Elongation at Break	157	%	157	%	ASTM D638
Flexural Modulus					ASTM D790B
1% Secant	73000	psi	503	MPa	
2% Secant	64000	psi	440	MPa	
Environmental Stress-Crack Resistance	40	hr	40	hr	Proprietary Method
10% Igepal					

Disclaimer

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