

Qplast™ QPMLL 1915AD Copolymer Polyethylene

Qplast[™] QPMLL 1915AD resin is a high-performance ethylene 1-hexene copolymer designed to meet the demands of various packaging applications. It provides excellent toughness, particularly in cold conditions, along with strong impact resistance and puncture durability, ensuring reliability and product protection. This versatile resin is well-suited for a wide range of packaging needs, combining durability and functionality for optimal performance.

Supplier

Oplasť

Additive	Antiblock: 5000 ppm; Slip: 1000 ppm
Applications	Protective Films
	 Heavy Duty Bags
	 Multilayer Packaging Film
	 Food Packaging
	 Frozen bags Film
	Blown Film
	• Agricultural Film
	· Ice Bags
	 Lamination Film

Resin Properties

	Typical Value	(English)	Typical Value	(English)	Test Method
Density	0.915	g/cm³	0.915	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0	g/10 min	1.0	g/10 min	ASTM D1238
Film Properties					
Tensile Strength at Yield TD	1200	psi	8	MPa	ASTM D882
Tensile Strength at Break TD	8500	psi	60	MPa	ASTM D882
Elongation at Break MD	490	%	490	%	ASTM D882
Elongation at Break TD	620	%	620	%	ASTM D882
Secant Modulus MD — 1% Secant	19000	psi	131	MPa	ASTM D882
Secant Modulus TD — 1% Secant	21000	psi	145	MPa	ASTM D882
Dart Drop Impact	1100	g	1100	g	ASTM D1709A
Elmendorf Tear Strength MD	230	g	230	g	ASTM D1922
Elmendorf Tear Strength TD	350	g	350	g	ASTM D1922
Puncture Force	12	lbf	57	Ν	Proprietary Method
Puncture Energy	49	in·lb	6	J	Proprietary Method

Optical Properties

Gloss (45°)	49	49	ASTM D2457
Haze	13 %	13 %	ASTM D1003
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quantumpolymers.com