

Technical Data Sheet

Alathon M6030



High Density Polyethylene

Product Description

Alathon M6030 is a medium molecular weight high density homopolymer with extremely low gel content. Typical applications for this resin are cast film, coextrusion and dry food packaging.

Application	Bags & Pouches; Food Packaging Film; Lamination Film; Secondary Packaging
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	General Purpose; Good Abrasion Resistance; Good Organoleptic Properties; High Density; Low Gel

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Density, (23 °C)	0.960	g/cm ³	0.960	g/cm ³	ASTM D1505
Film					
Tensile Strength at Yield					
MD	3200	psi	22.1	MPa	ASTM D882
TD	4060	psi	28.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	790	%	790	%	ASTM D882
TD	720	%	720	%	ASTM D882
Secant Modulus					
MD	112000	psi	772	MPa	ASTM D882
TD	133000	psi	917	MPa	ASTM D882
Elmendorf Tear Strength					
MD	90	g	90	g	ASTM D1922
TD	90	g	90	g	ASTM D1922