



Pro-fax HP403G

Polypropylene, Homopolymer

Product Description

Pro-fax HP403G is a general purpose homopolymer with good heat resistance. It is available in pellet form, and it is typically used in extrusion applications.

For regulatory compliance information see *Pro-fax* HP403G Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Extrusion Flat-die, Blown Film, Extrusion Pipe Sheet and Semi Finished Products
Features	General Purpose, Good Heat Resistance, Homopolymer
Typical Customer Applications	Blown Film, Nets, Strapping, Thermoformed Food Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity (Method B)	ASTM D 792	0.90	sp gr 23/23°C
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	1.5	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790		
(.05 in/min, 1% Secant, Procedure A)		220000	psi
(1 mm/min, 1% Secant, Procedure A)		1515	MPa
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		5000	psi
(50 mm/min)		34.5	MPa
Tensile Elongation @ Yield	ASTM D 638	11	%
Impact			
Notched Izod Impact	ASTM D 256		
(Method A)		59	J/m
(Method A)		1.1	ft-lb/in
Thermal			
DTUL @66psi - Unannealed	ASTM D 648	87	°C

Additional Properties

Haze, ASTM D 1003, 31%

Notes

Typical properties; not to be construed as specifications.