

Exelene® PP H0402

Polypropylene Homopolymer

Montachem International, Inc.

Message:

Exelene® PP H0402 is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Exelene® PP H0402 include straps/ropes, bags/liners and food contact applications.

Characteristics include:

Antioxidant

Food Contact Acceptable

Homopolymer

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Homopolymer		
	Low Water Carryover		
Uses	Heavy-duty Bags		
	Rope		
	Twine		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.1	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (3.20 mm)	1380	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	101	°C	ASTM D648
Melting Temperature	165	°C	DSC
NOTE			
1.	Type IV, 50 mm/min		

2.	Type IV, 50 mm/min
3.	Type I, 13 mm/min

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