

Technical Data Sheet

Pro-fax HP553J



Polypropylene, Homopolymer

Product Description

Pro-fax HP553J is a low water carryover raffia and tape grade polypropylene homopolymer resin with a nominal MFR target of 3.5 g/10 min and good tensile strength. It is available in pellet form and is typically used in extrusion applications, including raffia, strapping, tapes, rope, twine and cordage.

Application	Raffia/Tapes/Strapping; Ropes/Twine/Cordage
Processing Method	Cast Film
Attribute	Low Water Carryover

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	3.5	g/10 min	3.5	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm ³	0.90	g/cm ³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	222000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1530	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	5200	psi			ASTM D638
(50 mm/min)			35	MPa	ASTM D638
Tensile Elongation at Yield	10	%	10	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	0.97	ft-lb/in			ASTM D256
(23 °C, Method A)			52	J/m	ASTM D256