

Technical Data Sheet

Pro-fax 7531



Polypropylene, Impact Copolymer

Product Description

Pro-fax 7531 impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding and extrusion applications and offers good cold temperature impact resistance.

Application	Thermoformed Food Containers
Market	Rigid Packaging
Processing Method	Sheet and Profile Extrusion; Thermoforming
Attribute	General Purpose

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	4.0	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)	180000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1240	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4100	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	9	%	9	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.6	ft-lb/in			ASTM D256
(23 °C, Method A)			85	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	180	°F			ASTM D648
(0.45 MPa, Unannealed)			82	°C	ASTM D648