

Technical Data Sheet

Pro-fax SC204



Polypropylene, Impact Copolymer

Product Description

Pro-fax SC204 impact polypropylene copolymer is available in pellet form. This resin is typically used in thermoforming, sheet extrusion, and injection molding applications and offers excellent stiffness and good antistatic properties.

Application	Thermoformed Food Containers
Market	Rigid Packaging
Processing Method	Injection Molding; Sheet; Thermoforming
Attribute	Contains Antistat; Good Stiffness; High Heat Resistance; Nucleated

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)	230000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1590	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4800	psi			ASTM D638
(50 mm/min)			33	MPa	ASTM D638
Tensile Elongation at Yield	8	%	8	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.8	ft-lb/in			ASTM D256
(23 °C, Method A)			96	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	235	°F			ASTM D648
(0.45 MPa, Unannealed)			113	°C	ASTM D648