

Razalen® P311

Polypropylene Impact Copolymer

Razin™ Engineering Plastics

Message:

Razalen P311 is a general purpose extrusion grade natural color impact copolymer polypropylene. It combines good toughness as well as excellent processability, chemical, and fatigue resistance.

General Information			
Features	Fatigue Resistant		
	General Purpose		
	Good Chemical Resistance		
	Good Processability		
	Good Toughness		
	Impact Copolymer		
Uses	General Purpose		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Flexural Strength	39.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	60	J/m	
23°C	80	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	80.0	°C	
1.8 MPa, Unannealed	51.0	°C	
Vicat Softening Temperature	116	°C	ASTM D1525

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