

Razalen® Q111

Polypropylene Homopolymer

Razin™ Engineering Plastics

Message:

Razalen Q111 is a general purpose injection grade natural color homopolymer polypropylene.

General Information			
Features	General Purpose Homopolymer		
Uses	General Purpose		
Appearance	Natural Color		
Processing Method	Injection Molding		
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)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	3.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	1.0 to 2.0	hr	
Rear Temperature	200 to 220	°C	
Middle Temperature	200 to 220	°C	
Front Temperature	200 to 220	°C	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	30.0 to 60.0	°C	
Injection Pressure	50.0 to 150	MPa	

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