

Generic PP, Unspecified - Proprietary

Polypropylene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP, Unspecified - Proprietary
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Proprietary packing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938 - 1.04	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 23°C	0.20 - 2.0	%	ASTM D955
Transverse flow: 23°C	0.70 - 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	1420 - 31400	MPa	ASTM D638
23°C	984 - 9570	MPa	ISO 527-2
Tensile Strength			
Fracture, 23°C	16.5 - 67.2	MPa	ASTM D638
Fracture, 23°C	19.6 - 22.6	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	1.0 - 31	%	ASTM D638
Fracture, 23°C	0.90 - 34	%	ISO 527-2
Flexural Modulus			
23°C	1460 - 3810	MPa	ASTM D790
23°C	996 - 8160	MPa	ISO 178
Flexural Stress (23°C)	23.3 - 184	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	11 - 140	J/m	ASTM D256
23°C	2.0 - 10	kJ/m ²	ISO 180
Unnotched Izod Impact			
23°C	68 - 1500	J/m	ASTM D256
23°C	7.4 - 140	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	78.0 - 163	°C	ISO 75-2/B
1.8 MPa, not annealed	51.7 - 137	°C	ASTM D648
1.8 MPa, not annealed	49.1 - 159	°C	ISO 75-2/A

Injection	Nominal Value	Unit
Rear Temperature	199 - 200	°C
Middle Temperature	221 - 222	°C
Front Temperature	243 - 244	°C
Processing (Melt) Temp	237 - 238	°C
Mold Temperature	40.2 - 40.6	°C

Injection instructions

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