

Generic PP, High Crystal

High Crystallinity Polypropylene

Generic

Message:

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This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Density			
23°C	0.900 - 0.920	g/cm³	ISO 1183
--	0.900 - 0.914	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			
230°C/2.16 kg	1.5 - 46	g/10 min	ASTM D1238
230°C/2.16 kg	13 - 25	g/10 min	ISO 1133
Molding Shrinkage - Flow (23°C)	1.3 - 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	84 - 105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1490 - 2210	MPa	ISO 527-2
Tensile Strength			
Yield, 23°C	24.1 - 42.5	MPa	ASTM D638
Yield, 23°C	25.6 - 40.5	MPa	ISO 527-2
23°C	27.5 - 38.2	MPa	ASTM D638
Tensile Elongation			
Yield, 23°C	4.9 - 6.0	%	ASTM D638
Yield, 23°C	4.5 - 6.1	%	ISO 527-2
Fracture, 23°C	20 - 500	%	ASTM D638
Flexural Modulus (23°C)	1130 - 2380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0 - 35	kJ/m²	ISO 179
Notched Izod Impact (23°C)	16 - 88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	124 - 136	°C	ASTM D648
0.45 MPa, not annealed	99.4 - 123	°C	ISO 75-2/B
Vicat Softening Temperature	70.0 - 158	°C	ISO 306
Optical	Nominal Value		Test Method
Gloss	69 - 95		ASTM D2457
Injection	Nominal Value	Unit	

Rear Temperature	179 - 190	°C
Middle Temperature	199 - 220	°C
Front Temperature	210 - 240	°C
Mold Temperature	39.8 - 60.0	°C
Injection Pressure	75.8 - 172	MPa
Holding Pressure	61.3 - 152	MPa

Injection instructions

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