

OmniPro™ TPO 20M HC

Compounded Polypropylene
OMNI Plastics, LLC

Message:
High Impact Resistance, Easy Flow, Enhanced Clarity, Thermoplastic Polyolefin

General Information			
Features	Good Flow		
	High Impact Resistance		
	Medium Clarity		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	19.3	MPa	ASTM D638
Flexural Modulus	758	MPa	ASTM D790
Flexural Strength	21.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	320	J/m	
23°C, 3.18 mm	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	65.6	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		Internal Method
Injection	Nominal Value	Unit	
Rear Temperature	204 to 249	°C	
Middle Temperature	216 to 260	°C	
Front Temperature	216 to 260	°C	
Nozzle Temperature	216 to 260	°C	
Processing (Melt) Temp	216 to 260	°C	
Mold Temperature	26.7 to 60.0	°C	
Back Pressure	0.345 to 0.689	MPa	

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