

# Polifor® 15 T/20 H-R

Polypropylene  
Celanese Corporation

**PROSPECTOR®**

www.ulprospector.com

## Technical Data

### Product Description

Polypropylene, homopolymer, 20% mineral filled, heat and copper contact stabilized

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet</a>
Search for UL Yellow Card	• <a href="#">Celanese Corporation</a> • <a href="#">Polifor®</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Mineral
Additive	• Metal Deactivator
Features	• Good Heat Resistance
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
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Density	1.07 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 g/10 min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
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Tensile Stress (Yield)	30.0 MPa	ISO 527-2/50
Tensile Strain (Break)	20 %	ISO 527-2/50
Flexural Modulus (23°C)	2500 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
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Charpy Notched Impact Strength (23°C)	2.3 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35 kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength (23°C)	3.0 kJ/m <sup>2</sup>	ISO 180/1A

Thermal	Nominal Value Unit	Test Method
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Deflection Temperature Under Load		
0.45 MPa, Unannealed	108 °C	ISO 75-2/B
1.8 MPa, Unannealed	62.0 °C	ISO 75-2/A
Vicat Softening Temperature	93.0 °C	ISO 306/B50

Flammability	Nominal Value Unit	Test Method
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Flame Rating		UL 94
1.6 mm	HB	
3.2 mm	HB	

Injection	Nominal Value Unit
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Drying Temperature	80 to 100 °C
Drying Time	2.0 to 3.0 hr
Rear Temperature	190 to 210 °C
Middle Temperature	210 to 230 °C
Front Temperature	220 to 240 °C
Processing (Melt) Temp	230 to 250 °C
Mold Temperature	30 to 60 °C

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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### Where to Buy

#### Supplier

##### Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

Web: <http://www.celanese.com/engineered-materials>

#### Distributor

##### AMP FRANCE

Telephone: +33-3-8920-1390

Web: <http://www.amp.fr/>

Availability: France

##### AMP TUNISIA

Telephone: +216-52-27-21-73

Web: <http://www.amp.fr/>

Availability: Tunisia

##### GAZECHIM PLASTIQUES

*GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.*

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: Belgium, France, Netherlands, Romania, Spain, United Kingdom

##### RESINEX Group

*RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.*

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

##### SNETOR Distribution

*SNETOR Distribution is a Pan European distribution company. Contact SNETOR for availability of individual products by country.*

Telephone: +33-1-4904-8888

Web: <http://www.snetor.com/>

Availability: Bulgaria, Croatia, Czech Republic, France, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia

