Celanese
The chemistry inside innovation™

POLIFOR® 8 T/20 H-R - PP

Description

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

Physical properties	Value	Unit	Test Standard
Density	**66.8**	lb/ft³	ISO 1183
Melt flow rate, MFR	**8**	g/10min	ISO 1133
MFR temperature	**446**	°F	ISO 1133
MFR load	**4.76**	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield, 50mm/min	**4930**	psi	ISO 527-1, -2
Flexural modulus, 23 °C	**508000**	psi	ISO 178
Flexural strength, 23 °C	**7980**	psi	ISO 178
Charpy impact strength, 23 °C	**19**	ft-lb/in²	ISO 179/1eU
Charpy notched impact strength, 23 °C	**0.951**	ft-lb/in²	ISO 179/1eA
Izod impact notched, 23 °C	**1.19**	ft-lb/in²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50 °C/h 50N	**221**	°F	ISO 306
Flammability @1.6mm nom. thickn.	**HB**	class	UL 94
Flammability @3.2mm nom. thickn.	**HB**	class	UL 94
Glow wire flammability index, 3.2 mm	**1380**	°F	IEC 60695-2-12

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	**2 - 3**	h
Drying temperature	**176 - 212**	°F

Temperature	Value	Unit
Zone1 temperature	**374 - 410**	°F
Zone2 temperature	**410 - 446**	°F
Zone3 temperature	**428 - 464**	°F
Melt temperature	**446 - 482**	°F
Mold temperature	**86 - 140**	°F

Other text information

Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

Characteristics

Special Characteristics	Heat resistant
Product Categories	Mineral reinforced
Processing	Injection molding
Additives	Metal deactivator