Celanese
The chemistry inside innovation™

POLIFOR® 20 TRMU2505 H-R

POLIFOR®

Polypropylene, homopolymer, 25% talc + 5% mica filled, heat and copper contact stabilised.

Product information

Resin Identification	PP-(T+P)30	ISO 1043
Part Marking Code	>PP-(T+P)30<	ISO 11469

Rheological properties

Melt mass-flow rate	18	g/10min	ISO 1133
Melt mass-flow rate, Temperature	230	°C	
Melt mass-flow rate, Load	2.16	kg	

Typical mechanical properties

Tensile modulus	4000	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	32	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	4	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	10	%	ISO 527-1/-2
Flexural modulus	3900	MPa	ISO 178
Charpy impact strength, 23°C	30	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	2	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	3	kJ/m²	ISO 180/1A
Poisson's ratio	0.36[C]		

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	70	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	102	°C	ISO 306

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB	class	IEC 60695-11-10
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	IEC 60695-11-10
FMVSS Class	B		ISO 3795 (FMVSS 302)
Burning rate, Thickness 2 mm	20[1]	mm/min	ISO 3795 (FMVSS 302)

[1]: Thickness = 1.7mm

Physical/Other properties

Density	1130	kg/m³	ISO 1183

Characteristics

Processing	Injection Moulding
Additives	Metal deactivator, Mineral Filler
Special characteristics	Heat stabilised or stable to heat

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Additional information

Processing Notes

Storage

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

Revised: 2025-04-23 Source: Celanese Materials Database