

## Plastcom PLASTALEN® PQ 81 T 10 Polypropylene reinforced with mineral filler

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

### Material Notes:

Modified PP for injection molding with the content of 10% mineral filler, impact modified. Delivered in black color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-PLASTALEN-PQ-81-T-10-Polypropylene-reinforced-with-mineral-filler.php](http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-PQ-81-T-10-Polypropylene-reinforced-with-mineral-filler.php)

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in <sup>3</sup>	STN EN ISO 1183-1
Filler Content	10 %	10 %	
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.0 MPa	3920 psi	STN EN ISO 527-2
Elongation at Break	5.8 %	5.8 %	STN EN ISO 527-2
Tensile Modulus	2.15 GPa	312 ksi	STN EN ISO 527-2
Flexural Strength	27.0 MPa	3920 psi	STN EN ISO 178
Flexural Modulus	1.86 GPa	270 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.60 J/cm <sup>2</sup> @Temperature -20.0 °C	7.61 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	4.60 J/cm <sup>2</sup> @Temperature 23.0 °C	21.9 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.120 J/cm <sup>2</sup> @Temperature -20.0 °C	0.571 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	0.230 J/cm <sup>2</sup> @Temperature 23.0 °C	1.09 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 250 °C	428 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	@Time 14400 sec	@Time 4.00 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

Descriptive Properties	Value	Comments
Color	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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