

## Plastcom PLASTALEN® EQ 18 N Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Impact modified PE for extrusion. 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-EQ-18-N-Polyethylene.php](http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-EQ-18-N-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.880 g/cc	0.0318 lb/in <sup>3</sup>	STN EN ISO 1183-1
Melt Flow	1.5 g/10 min	1.5 g/10 min	STN EN ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.0 MPa	2470 psi	STN EN ISO 527-2
Elongation at Break	80 %	80 %	STN EN ISO 527-2
Tensile Modulus	0.750 GPa	109 ksi	STN EN ISO 527-2
Flexural Strength	24.0 MPa	3480 psi	STN EN ISO 178
Flexural Modulus	0.800 GPa	116 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.20 J/cm <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	6.00 J/cm <sup>2</sup>	28.6 ft-lb/in <sup>2</sup>	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	94.0 °C	201 °F	STN EN ISO 306
Flammability, UL94	HB	HB	

Thermal Properties	650 °C Metric	1200 °F English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	STN 017 030695-2-12

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 220 °C	338 - 428 °F	

Descriptive Properties	Value	Comments
Color	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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