

## Eurostar Starpylen HW 30K ECR-BK PP, Injection Molded

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Starpylen HW 30K ECR-BK is a reinforced Polypropylene with a low carbon footprint spherical filler, Injection Molding Resin (also known as HW30KECR) Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Starpylen-HW-30K-ECR-BK-PP-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Starpylen-HW-30K-ECR-BK-PP-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.022 - 0.024 cm/cm @Thickness 4.00 mm	0.022 - 0.024 in/in @Thickness 0.157 in	E2P method
Melt Flow	8.7 g/10 min @Load 2.16 kg, Temperature 230 °C	8.7 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527
Elongation at Break	15 %	15 %	ISO 527
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
Izod Impact, Notched (ISO)	2.80 kJ/m <sup>2</sup>	1.33 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	21.0 kJ/m <sup>2</sup>	9.99 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	195 - 205 °C	383 - 401 °F	
Zone 2	215 - 225 °C	419 - 437 °F	
Zone 3	225 - 250 °C	437 - 482 °F	
Melt Temperature	225 - 250 °C	437 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
	70.0 °C	158 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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