

DSM EcoPaXX® Q-HXGM24 PA410-(GF+MD)30

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon

Material Notes:

% Glass Reinforced, % Mineral Reinforced, Heat Stabilized

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-EcoPaXX-Q-HXGM24-PA410-GFMD30.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	dry; ISO 1183
Moisture Absorption	1.50 %	1.50 %	Sim. To ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.0 MPa	9430 psi	cond; ISO 527-1/-2
	95.0 MPa	13800 psi	dry; ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	dry; ISO 527-1/-2
	3.6 %	3.6 %	cond; ISO 527-1/-2
Tensile Modulus	6.00 GPa	870 ksi	cond; ISO 527-1/-2
	8.00 GPa	1160 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	dry; ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.50 J/cm ²	16.7 ft-lb/in ²	dry; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.00 J/cm ²	19.0 ft-lb/in ²	cond; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	dry; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.400 J/cm ²	1.90 ft-lb/in ²	dry; ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.530 J/cm ²	2.52 ft-lb/in ²	cond; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	250 °C Metric	482 °F English	10°C/min: ISO 11357-1/-3 Comments
Deflection Temperature at 0.46 MPa (66 psi)	225 °C	437 °F	dry; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	dry; ISO 75-1/-2

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