

DuPont Performance Polymers Zytel® RS 30G30HSL BK038A Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

30% Glass Reinforced Renewably Sourced Polyamide 610 Developed for Extrusion Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-RS-30G30HSL-BK038A-Nylon-610.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
	1.31 g/cc	0.0473 lb/in ³	DAM; ISO 1183
Moisture Absorption	1.20 %	1.20 %	DAM; Sim. to ISO 62
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Viscosity	360000 cP	360000 cP	DAM; @ 1000 sec-1; ISO 11443
	@Temperature 250 °C	@Temperature 482 °F	
	94180 cP	94180 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 280 °C	@Shear Rate 5000 1/s, Temperature 536 °F	
	116100 cP	116100 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 260 °C	@Shear Rate 5000 1/s, Temperature 500 °F	
	130300 cP	130300 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 250 °C	@Shear Rate 5000 1/s, Temperature 482 °F	
	341600 cP	341600 cP	ISO 11403-1 -2
@Shear Rate 500 1/s, Temperature 280 °C	@Shear Rate 500 1/s, Temperature 536 °F		
455400 cP	455400 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 260 °C	@Shear Rate 500 1/s, Temperature 500 °F		
527100 cP	527100 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 250 °C	@Shear Rate 500 1/s, Temperature 482 °F		
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	50%RH; ISO 527-1/-2
	140 MPa	20300 psi	DAM; ISO 527-1/-2
Elongation at Break	3.6 %	3.6 %	DAM; ISO 527-1/-2
	6.5 %	6.5 %	50%RH; ISO 527-1/-2
Tensile Modulus	6.80 GPa	986 ksi	50%RH; ISO 527-1/-2
	8.10 GPa	1170 ksi	DAM; ISO 527-1/-2
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	DAM; ISO 180/1A
	16.0 kJ/m ²	7.61 ft-lb/in ²	50%RH; ISO 180/1A
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	DAM; ISO 179/1eU
	9.50 J/cm ²	45.2 ft-lb/in ²	50%RH; ISO 179/1eU
Charpy Impact, Notched	1.10 J/cm ²	5.23 ft-lb/in ²	DAM; ISO 179/1eA
	1.50 J/cm ²	7.14 ft-lb/in ²	50%RH; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	2.28 J/g-°C	0.545 BTU/lb-°F	
Thermal Conductivity	0.260 W/m-K	1.80 BTU-in/hr-ft ² -°F	of melt
Melting Point	225 °C	437 °F	DAM; 10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	207 °C	405 °F	DAM; ISO 75-1/-2
Glass Transition Temp, Tg	50.0 °C	122 °F	DAM; 10°C/min; ISO 11357-1/-2

Descriptive Properties	Value	Comments
Additives	Lubricants	
	Release agent	
Delivery Form	Pellets	
Part Marking Code	>PA610-GF30<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	

Descriptive Properties	Europe Value	Comments
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PA610-GF30	ISO 1043
Special Characteristics	Heat stabilised or stable to heat	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China