

Clariant Renol PA233HT Nylon 6, Improved Processability, Easily Colorable, Highly Toughened

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-PA233HT-Nylon-6-Improved-Processability-Easily-Colorable-Highly-Toughened.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Water Absorption	1.35 % @Time 86400 sec	1.35 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.017 cm/cm	0.017 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	47.6 MPa	6900 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	2.17 GPa	315 ksi	ASTM D638
Flexural Yield Strength	77.9 MPa	11300 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm @Temperature -40.0 °C	2.50 ft-lb/in @Temperature -40.0 °F	ASTM D256
	8.54 J/cm @Temperature 22.8 °C	16.0 ft-lb/in @Temperature 73.0 °F	ASTM D256
Multi-axial Impact @ -30°C Total Energy	62.0 J @Thickness 12.7 mm	45.7 ft-lb @Thickness 0.500 in	ASTM D3763
	169 J @Thickness 25.4 mm	125 ft-lb @Thickness 1.00 in	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 277 °C	480 - 530 °F	
Mold Temperature	65.6 - 79.4 °C	150 - 175 °F	
Dry Time	2 - 4 hour	2 - 4 hour	dehumidified dryer
Moisture Content	<= 0.20 %	<= 0.20 %	Processing

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