

Styrolution Terblend[®] N NM-19 XP Beige 38163 ABS+PA (Dry)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , Nylon

Material Notes:

Description: Terblend[®] N NM-19 XP is an UV stabilized ABS/PA blend combining very high impact strength, even at low temperatures with an outstanding processability and excellent surface appearance. Information provided by STYROLUTION, which is a joint venture between BASF and INEOS

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Terblend-N-NM-19-XP-Beige-38163-ABSPA-Dry.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.2 %	1.2 %	23 [°] C/50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	ISO 2577
Melt Flow	42.8 g/10 min @Load 10.0 kg, Temperature 240 [°] C	42.8 g/10 min @Load 22.0 lb, Temperature 464 [°] F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ISO 2039-2
Ball Indentation Hardness	86.0 MPa @Load 36.5 kg, Time 30.0 sec	12500 psi @Load 80.5 lb, Time 0.00833 hour	ISO 2039-1
Tensile Strength, Yield	43.0 MPa	6240 psi	ISO 527-1/-2
Elongation at Break	30 %	30 %	Nominal; ISO 527-1/-2
Elongation at Yield	3.5 %	3.5 %	ISO 527-1/-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-1/-2
Flexural Strength	62.0 MPa	8990 psi	ISO 178
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ² @Temperature -30.0 [°] C	7.14 ft-lb/in ² @Temperature -22.0 [°] F	ISO 180/A
	65.0 kJ/m ² @Temperature 23.0 [°] C	30.9 ft-lb/in ² @Temperature 73.4 [°] F	ISO 180/A

Mechanical Properties	Metric	English	Comments
Charpy Impact Unnotched	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	ISO 179/1eU
	NB	NB	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cmÂ²	7.14 ft-lb/inÂ²	
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	ISO 179/1eA
	6.50 J/cmÂ²	30.9 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 Âµm/m-Â°C	55.6 Âµin/in-Â°F	
	@Temperature 23.0 - 80.0 Â°C	@Temperature 73.4 - 176 Â°F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	85.0 Â°C	185 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	65.0 Â°C	149 Â°F	ISO 75-1/-2
Vicat Softening Point	102 Â°C	216 Â°F	VST/B/50; ISO 306
	160 Â°C	320 Â°F	VST/A/50; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Dielectric Constant	2.9	2.9	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250
Dissipation Factor	0.015	0.015	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Mold Temperature	40.0 - 80.0 Â°C	104 - 176 Â°F	Injection Molding

Descriptive Properties	Value	Comments
Color	Beige 38163	
Commercial Status	Europe	
Primary Processing Technique	Injection Molding and Extrusion	

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