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PLUSTEK PB145NT

Polyamide 6

Product Description:
 PLUSTEK PB145NT is Natural, Medium Viscosity Polyamide 6 Injection Molding Applications

Product Information:

Characteristic	Unit	Test method	Property value
Physical			
Density	g/cm ³	ISO 1183	1.13
Moisture absorption equilibrium 23C/50RH	%	ISO-62	3
Mold Shrinkage Flow 2mm	%	Internal	1-1.5
Water absorption, equilibrium at 23C	%	ISO-62	10
Mechanical			
Flexural Modulus	MPa	ISO 178	2850
Flexural Strength	MPa	ISO 178	120
Strain at Break	%	ISO 527-2/1A	10
Strain at Yield	%	ISO 527-2/1A	3.5
Tensile Modulus	MPa	ISO 527-2/1A	3580
Tensile Modulus Conditioned	MPa	ISO 527-2/1A	1800
Tensile Strength	MPa	ISO 527-2/1A	84
Tensile Strength Conditioned	MPa	ISO 527-2/1A	45
Impact			
Notched Charpy Impact	kJ/m ²	ISO179-1/1eA	3
Notched IZOD Impact Conditioned	kJ/m ²	ISO 180	24
Notched Izod Impact	kJ/m ²	ISO 180ISO 1	4.8
Flammability			
Flammability 3mm		UL-94	V2

Regulations:

ROHS2: ROHS Compliance
SVHC: SVHC Compliance
Conflict Minerals: Compliance

Pre Drying Temperature: 80°C
Pre Drying Duration: 2-4 Hours

Max Moisture: 0.15%

Processing recommendations:

Recommended Mold Temperature: 65-80°C

Feed: 60-70°C

Zone 1: 230-240°C

Zone 2: 230-240°C

Zone 3: 230-270°C

Revision #: 3

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The technical data contained herein are guides to use Polyram resins. Information contained herein is to the best knowledge, true and assure. The customer is nevertheless obliged to run an incoming material control.