

Technical Data Sheet

Diamaloy PC/PBT-1418 NA(20M)NAT



Polycarbonate + Polyester

Product Description

Diamaloy PC/PBT-1418 NA(20M)NAT is a Polycarbonate + Polyester material.

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (265 °C/2.16 kg, Procedure A)	18	g/10 min	ASTM D1238
Density - Specific Gravity	1.23	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (51 mm/min, Type I)	62.1	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Procedure B, Method I (3 point load))	2310	MPa	ASTM D790
Impact			
Notched Izod Impact			
(23 °C, 3.18 mm, Method A)	750	J/m	ASTM D256
(-22 °C, 3.18 mm, Method A)	430	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	102	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (3.18 mm)	119	°C	ASTM D648