

ECOMID ARX H D05

Polyamide 66

Nilit Plastics

Message:

ECOMID® ARX D05 is a easy flow Polyamide 66 (Nylon 66) compound, impact modified.
This eco friendly compound is intended for injection molding.
ECOMID® ARX D05 is primarily designed for the Automotive industry.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	2.1	%	
Flow : 25°C	2.1	%	
Water Absorption			ISO 62
23°C, 24 hr	2.0	%	
Saturation, 23°C	6.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2100	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m²	
23°C	4.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Continuous Use Temperature ¹	90.0	°C	IEC 60216
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
NOTE			
1.	20002 hrs		

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