

EPLAMID 66 NC L K B4.0

Polyamide 66

Unreinforced polyamide 66 improved with good-impact resistance, externally and internally lubricated for injection moulding and extrusion applications where fast cycles are required.

Properties	Test Method	Unit	Value	
Physical properties			Dry	Cond
Density (23°C)	ISO 1183	g/cm ³	1,13	
Melt volume - Flow rate (275°C/5 Kg)	ISO 1133	cm ³ /10min	120	
Determination of water content	ISO 15512	%	0,1	
Mold shrinkage- parallel/normal (3mm)	ISO 294-4	%	1,4/1,6	
Mechanical properties				
Tensile modulus (1mm/min) (23°C)	ISO 527-2	MPa	3200	1150
Tensile stress at break (50mm/min) (23°C)	ISO 527-2	MPa	75	50
Tensile strain at break (50mm/min) (23°C)	ISO 527-2	%	15	25
Flexural modulus (2mm/min) (23°C)	ISO 178	MPa	2800	900
Flexural strength (2mm/min) (23°C)	ISO 178	MPa	90	50
Notched izod impact (23°C)	ISO 180/1A	kJ/m ²	7	11
Unnotched izod impact (23°C)	ISO 180/1U	kJ/m ²	No break	No break
Notched charpy impact (23°C)	ISO 179/1eA	kJ/m ²	7	11
Unnotched charpy impact (23°C)	ISO 179/1eU	kJ/m ²	No break	No break
hermal properties				
Melting point	ISO 3146	°C	260	
Temp. of deflection under load (0,45 MPa)	ISO 75-2/B	°C	220	
Temp. of deflection under load (1,80 MPa)	ISO 75-2/A	°C	75	
Flammability & electrical properties				
Flammability classification (0,4 mm) - UL 94	EN 60695-11-10	-	V2	
Comparative tracking index - CTI (Solution A)	EN 60112	V	550	
Surface resistivity	ASTM D257	Ω/sq	1,00E+14	
Ball Pressure Test (125 ± 2 °C)	EN 60695-10-2	-	<2 mm	
Test conditions				
Laboratory conditions are 23 ±2°C and 45-55 % RH.				

Notes: Eplamid 66 offers all primary properties of unreinforced PA66 used in all sectors of industry, good balance of thermal and mechanical properties, especially for thin wall and fast cycle applications.

This material is available in natural and colours on request.

Producer:EPSAN.Turkey.