

TECHNICAL DATA SHEET NYFLEX 3008

PROPERTIES	METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	ASTM D 792	g/cm ³	1.24
Water Absorption (24h/23°C)	ASTM D 570	%	1.25
Melting Point (DSC)	ASTM D 3417	° C	205
Melt Flow Index (230°C/2.16 kg)	ASTM D 1238	g/10 ^{min}	5
MECHANICAL PROPERTIES			
Tensile Strength			
• at yield	ASTM D 638	MPa	/
• at break	ASTM D 638	MPa	32
Elongation at Break	ASTM D 638	%	600
Flexural Modulus	ASTM D 790	MPa	200
Tear Strength (Method B)	ASTM D 724B	N/mm	/
Fatigue Resistance	ASTM D 1052	mm/Kcicli	/
IZOD Impact Strength Notched			
• at 23°C	ASTM D 256/A	J/m	N.R.
• at - 30°C	ASTM D 256/A	J/m	/
• at - 40°C	ASTM D 256/A	J/m	/
Abrasion Resistance (Taber H18 - 1 kg)	ASTM D 1044	mg/Kcicli	/
SHORE D Hardness	ASTM D 2240	Punti	53
THERMAL PROPERTIES			
VICAT Softening Point 1 kg /120°C	ASTM D 1525	° C	/
H.D.T. Method B (0.4552 MPa)	ASTM D 648	° C	/
FLAMMABILITY PROPERTIES			
Oxygen Index	ASTM D 2863	/	20
Fire Resistance (1.6mm)	UL 94	/	/
ELECTRICAL PEROPERTIES			
Volume Resistivity			
• at 23°C	ASTM D 257	Ω cm	/
• at 100°C	ASTM D 257	Ω cm	/
Dielectric Strength (at 1.6mm)			
• at 2.0mm - 23°C	ASTM D 149	kV/mm	/
• at 3.2mm - 23°C	ASTM D 149	kV/mm	/
Dielectric Constant			
• at 1 KHz	ASTM D 150	/	/
• at 100 KHz	ASTM D 150	/	/
Dissipation Factor Tan δ			
• at 1 KHz	ASTM D 150	/	/
• at 100 KHz	ASTM D 150	/	/

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