



B532/E

Main Features

Sheets and profile.
Good impact strength
High toughness

Main Application

Plain or coextruded with high draw
Ratios for refrigeration, sanitary
Automotive,
Packaging, housholding (profiles)

Keys

Packaged product should be protected from the atmosferic agents and stored out of direct sunlight
NB: No Break
/M: Matt - Digit following letter
/M indicates increasing values of matttness

Properties	Test Condition	Test Methods	Units	
General				
Density		ISO 1183	g/cm ³	1.04
Water Absorption		ASTM D 570	%	0.3
Rheological				
Melt Flow Rate (MFR)		ISO 1133	g/10min	5
Mechanical				
Tensile Strength	50 mm/min	ASTM D 638	MPa	35
Strain at break	50 mm/min	ASTM D 638	%	45
Flexural Strength	2 mm/min	ASTM D 790	MPa	68
Flexural Modulus	2 mm/min	ASTM D 790	MPa	2300
Izod Impact Strength Notched	+23°C - thickness 3.2 mm	ISO 180/4A	J/m	280
	0°C - thickness 3.2 mm	ISO 180/4A	J/m	190
	-20°C - thickness 3.2 mm	ISO 180/4A	J/m	150
	-40°C - thickness 3.2 mm	ISO 180/4A	J/m	125
	+23°C - thickness 4 mm	ISO 180/1A	kJ/m ²	20
Charpy Impact Strength, Notched	-40°C - thickness 4 mm	ISO 180/1A	kJ/m ²	10
	+23°C	DIN 53453	kJ/m ²	16
	Unnotched	+23°C	DIN 53453	kJ/m ²
Unnotched	-40°C	DIN 53453	kJ/m ²	NB
Rockwell Hardness	scale R	ISO 2039/2	kJ/m ²	R110
Thermal				
Vicat Softening Temperature	10 N - 120°C/h	ISO 306/A120	°C	108
	50 N - 120°C/h	ISO 306/B120	°C	104
Deflection temp. under load (annealed)	1.8 MPa - 120°C/h	ASTM D 648	°C	104
Coefficient of linear thermal expansion		ASTM D 696	10 ⁻⁵ /°C	9
Thermal Conductivity		ASTM C 177	W/(Km)	0.17
Moulding Shrinkage		ISO 294.4	%	0.4-0.6
Flammability				
Flame behavior	thickness 1.5 mm	UL 94	class	HB
Glow wire test	thickness 3 mm	IEC 60695-2-1	°C	650
Electrical				
Surface resistivity	dry	IEC 60093	ohm	10+14
Volume resistivity	dry	IEC 60093	ohm*cm	10+15
Dielectric strength	dry	IEC 60243	kV/mm	30
Dielectric constant (relative permittivity)	1000 Hz - dry	IEC 60250		3.1
Dissipation factor	1000 Hz - dry	IEC 60250		15*10 ⁻³

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