

Technical Data Sheet



Piraelast® TPE 40-A (Shore A Hardness)

Standard, mineral filled SEBS series

ADDITIVE PACKAGE: UV and Heat stabilization package included

TECHNICAL PROPERTIES	VALUE	Unit	STANDARD
Physical			
HARDNESS	40 A	Shore	ISO 868
DENSITY	1,18	gr/cm3	ISO 2781
Mechanical			
%100 MODULUS	1.1	MPa	ISO 37
%300 MODULUS	1.9	MPa	ISO 37
TENSILE STRENGTH AT BREAK	3.7	MPa	ISO 37
ELONGATION AT BREAK	650	%	ISO 37
WEAR RESISTANCE	*	mm3	DIN 53516
TEAR STRENGTH	22	kN/m	ISO 34-1
COMPRESSION SET VALUES			
22 HOUR - 70°C	*	%	ASTM D 395-03B
		%	ASTM D 395-03B
		%	ASTM D 395-03B
THERMAL VALUES			
BRITTLINESS TEMP	-60	°C	ASTM D 746
CONT. TEMP RESISTANCE	135	°C	

PRODUCT FEATURES

BONDING	Easy bonding to PP grades
COLORING	Easy coloring by proper color MB's (PE, PP, etc based)
MSDS	Material Safety Datasheet is available
RECYCLING	Recyclability. Depends on process 5% to %30 can be added to original material
PRE-DRYING	2 hours at 90 °C is requested

PROCESS TEMP (Co)

REAR BARREL	150 - 160
CENTER BARREL	160 - 170
FRONT BARREL	170 - 180
NOZZLE	180 - 190
MELT TEMP	190 - 200
MOLD TEMP	25 - 40

Important: Do not exceed 250 °C at any time

SHRINKAGE AFTER MOLDING

FLOW DIRECTION (%)
CROSS DIRECTION (%)

CHEMICAL RESISTANCE

OZONE	Perfect
WATER	Perfect
ALCOHOL	Perfect
OIL	Fair
SULPHURIC ACID	Good
DETERGENT	Good

Thank you for your Attention!

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